

BY-LAWS

REGULATING THE CONSTRUCTION, SAMITATION, MAINTENANCE AND INSPECTION OF

BUILDINGS

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BY-LAWS

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BUILDINGS



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BUILDINGS BY-LAW NO. 84, 1928...... A By-Law to regulate the construction, sen-

Page

Station, maintenance and use of buildings. 1. Definition of Terms..... 2. Organization of Department...... 2. General Conditions..... 4. Bastrictions and Limitations..... 5. Fire Limits..... 6. Moving Buildings

of and at the side of it at which no building

on a residential street may be placed or Behadole "A" to Ry-Law No. 35, 1922...... 51

Excavalions and Foundations..... 4. Walls Piers and Partitions...... 5. Wood Floors, Beams, Girders, Trusses, . . 19, Basements, Vaults, Areas and Sidewalk Lights

12. States. Hand-rails, etc....... 14. Elevators 15. Frame Buildings.....

16. Mill Construction...... 15 Sketeton Construction 18. Fireproof Construction 18. Resinferred Concrete Construction 19 Apartment and Tenement Houses 11. Public Buildings, Theatres and Places of Amusement 22. Public Stables..... 22. Garages 48 24. Premises Used for Dry Cteanism Business

25. Tunnels Under and Bridges Over Lanes. 50 26. Regulating Billboards, Signs, Signboards and Roof Rirns..... BY-LAW NO. 25, 1923..... A By-Law to prescribe the space to be left vacunt about buildings; to limit number and declare certain streets or puris thereof to he residential streets, and to prescribe the distance from the line of the street in front

DIDEX-Continues

LICENSES
BY-LAW NO. 47, 1922
PLUMBING

PLUMBING REGULATIONS..... ELECTRICAL

BY-LAW NO. 20 (With Amendments to May 31. A Re-Law respecting the Installation and

INSPECTION BULLETIN No. 1 (1922)......

DITGLEVIN No. 1-A (1922)......

HE-NUMBERED BY-LAW NO. 2, 1922...... 120 (Byslaw No. 47, 1971). A By-Low respecting the Experining and

ENTRACTS FROM WATERWORKS BY-LAW

A By-Low to amend By-Low No. 17, 1917.

A Dy-law to regulate and govern the Instal-

A By-Law respecting Auto Filling Stations.

TELEPHONE DEPARTMENT RILES AND REGULATIONS, 151

CITY OF EDMONTON

BY-LAW No. 34, 1923

A By-law to regulate the construction, smitation, maintenance and use of buildings in the City of Edmonton.

The Municipal Council of the City of Edmonton, duly assembled, quacts as follows:-

PART 1. DEFINITION OF TERMS

 Where the following words occur in this by-law they shall be construed in the manner hereinafter mentioned unless a contrary intention appears, or the interpretation which this provision would give to any word, expression or clause is inconsistent with the context of the clause in which it occurs.

ALTERATION

(1) "Alleration" shall mean any change to the exterior or interior of a building or any of its puris which affects its arrangement or appearance.

ance.

(2) "Repair" or "Repairs" shall mean the renewed of parts of a building which may be affectd by wear or decay and which in the ontion

of the Inspector does not affect its strength or sanitation or increase its fire risk.

APARTMENT OR TENEMENT HOUSE (3) "Apartment house" or "Tenement house" shall mean a building or a part thereof which is arranged so as to be occupied by three or more families living independently of each other.

LODGING OR ROOMING HOUSE (4) "Lodging house" or "Rooming house" shall

mean a building where temporary lodging orcommodation is provided

OFFICE BUILDING

(5) "Office building" shall mean a building arranged so as to be used for offices or business purposes and which may have living rooms for the janttor and his family only.

THEATRE BUILDING (6) "Theatre" shall mean any building having

a store with fixed or movable scenery, and used for dramatic, operatic or other entertainments. and shall include moving picture houses and assembly halls.

DOTELS (7) "Hotel" shall mean any building or part thereof containing lifteen or more rooms and

having a general dining-room and used for supplying food and shelter to residents or Irans-PUBLIC BUILDING

(8) "Public Buildings" includes clurches, chan-

els seminaries colleges convents schools hospitals, usylums, hotels, theatres, libraries, halls, concert rooms and all other places used or so intended to be used for public assemblage. A part of a building used for any of these purposes shall be considered a separate building.

INSPECTOR (9) "Inspector" shall mean the Building Inspector of the City of Edmonton or his assistant.

PRAME BEHINDING

(10) "Frame building" or "wooden building" shell mean and include any building of which the frame or any nortion thereof in the exterior walls of the building is of wood, regardless of its external covering

ORGANIZATION OF DEPARTMENT

APPOINTMENT OF INSPECTOR

2. There shall be in the City of Edmonton a

Department known as the Department of the Inspector of Buildings which shall be charged with the enforcement of this Ry-low.

3. The Department shall conxist of an Insuector and as many assistants as may be necessary from time to lime OUALIFICATIONS.

4. The Inspector shall be a registered architect or practical builder. Assistants shall be comnetent men of experience in the building trudes. DUTIES OF INSPECTOR

5. The Inspector shall take care of plans and descriptions of buildings deposited with him and shall keep record of all matters in connection with the construction or mulatenance of build-

INSPECTION OF PLANS

6. If upon careful examination by the Inspector the plans are found to conform to the provisions of this By-law, one set shall be returned to the Applicant marked "Approved" and the second set shall be retained by the Inspector; if other-wise, a permit shall not be granted until the necessary corrections are made. Any deviation from the original plan shall be reported to the Inspector for approval.

INSPECTION OF BUILDINGS 7. The Inspector shall have the right to enter any building in the performance of his duties and shall have the nower to enforce all reason-

le measures which in his opinion may be in the interest of safety. APPEAL

8. Should any dispute arise between the Inspeciar and the Owner or Agent recourse shall be made to a Board of Appeal consisting of three numbers: one appointed by the City Council, one by the President of the Affecta Association of Architects, and one by the President of the Edmonton Builders' Exchange. The services of this Board shall be paid for as the Board may decide, and any decision made by it shall be final

DEDMIN PERS 9. The permit fees shall be: Building or after-

stion up to the value of-\$ 500.00 .

500.00 to \$2,000.00... 2,000.00 to \$5,000.00.

And for each additional \$5,000.00 or fraction thereof Moving permit, 50 cepts, and 92,50 for each and

every day or part thereof that the building being moved may occupy a part of any street or other unblic place; all fees to be collected when permit is issued and before any work is commenced.

GENERAL CONDITIONS

RULDINGS TO CONFORM TO BY LAW

10. No building or part of a building within the City of Edmouton shall be erected, remodelled renewed or remained except in accordance with the terms of this By-law; and not until a permit has been issued by the Inspector authorizing the erection, remodelling, renewal or repair thereof. Minor renairs not exceeding in value

fifty dollars are not to be considered within the terms of this By-law PERMIT FOR WATER

11 When application for a permit is made the emplicant shall supply the inspector with quanlities of masonry, concrete and plantering in the proposed construction and shall not the Inspector acting for the Waterworks Department according to the rates then current such sum as may be pay the to the City for water removed in the proposed work before the issuing of the perint

LIMITATION OF PERMIT 12. Every permit issued under the provisions

of this by law shall lapar at the expiration of three months from the date thereof unless the proposed construction therein mentioned has

DEMOCRATING BUILDINGS

13. When application is made to build which will necessiste the removal or demaltion of an existing building all work in connection therewith shall be carried out with due regard to nubhe safets and that of the workmen engaged in the work and every such precaution shall be taken for the prevention of accident as the Inspector derrela

INCLUDES ALL BUILDINGS

14. All the provisions of this By law shall apply with equal force to all public buildings as well as private

15. Standard specifications will be accepted in the interpretation of the terms of this Ry-law,

APPROVA OR REJECT PLANS 16. Plans and Specifications in doplicate shall scrompany all applications for permit to build Plans for all public buildings or any building estimated to cost \$10,000,00 or more, shall be

prepared by a competent architect or engineer registered in the Province of Alberta

REVOLATION

27. Every permit shall be subject to suspension in writing should be lesperture as eclaim that the work is not being carried on in accordance with the plans and specifications filed with him. Any person continuing work during any suspension shall be guilty of a breach of this B. Law.

TERTIFICATE OF FINAL INSPECTION 18. Upon the rou pletton of a Luiding a statement shall be liked with the Inspector showing the casel cost of the building whereport and after the inspection a certificate of final inspection shall be as set. No building shall be no uponduntly affair criticate his been issued.

19, At least three data notice shall be given to

the Inspector before the countencement of work on any land of my reasonant ground distribudescription of proposed construction or afteral on legather with the names of the owner, architect and cortactor and location.

20. If no the spin on of the forecor the tem

20. If n the spin on of the Inspec or the ton purity are if sixteed or old walls is necessary the shift of the holder requests give a permit or writing defining the port on of the street or such walls which may be used sipen the smell value which which may be used sipen the smell value of the sixteed or such relative to the first commissioners, but for the first commissioners, but for the first commissioners, but for the first commissioners in the sixtee of the first to make a sixtee of the sixtee of the sixtee of the sixtee of the permit or assisting above.

INTERPREDICT WITH BARRANS

21. Such less porats use of a street shall not mena any secriton pracer than twelve feet in any

street railway track or permit any obstruction to a fire hydrant

PROTECTION OF SIDEWALKS

22. The norting of the street or side walk temnormaly used by builders must be enclosed by a tight hoard fence at Last att feet both and such other means of safets shall be taken as the inspector directs, melading a walk for pedestrians. All side-walks shall be projected as the Inspector may urder and any damage thereto made good at com-niction as provided in the permit

COLUMN TO STREET, ST. ST. ST. ST. ST.

23. No nert of the street or side walk shall be used for the storage of building material except according to the preceding section and the terms mentioned in the permit, nor shall any material be placed so as to obstruct the passage of water in the drains or gutters. No per nission shall be seven to occupy more than one third of the width of the street except his the special authority of the taly Commissioners

MORTAR AND MATERIAL OVERTICAL

24. No morter shall be mixed or prepared or stone or other hubling material be out or dressed to the spart allowed on the street nor shall earth or material taken from the site of operation be stored or allowed to remain except as may be required for subsequent use therein

GANTED AND PROTECTION OF SKYLIGHT 25. When buildings are being constructed or

increased in height where there are bus ness premises on either ride no portion of the street shall be occupied except for a gantry which shall be erected and maintained to that pedestrians shall be protected from any folling dust or debras, a nassame of at least each) feet in beight shall be provided of the width demanded by the Inspector, Shallable and roofs of adjoining buildings must be protected as required by the Inspector,

NO PERMIT SHALL BE GRANTED

26. No permit shall be granted to use any portion of a street or asdewalk contrary to the terms of this By-law

27. No permission shall be given authorizing the use of any street for more than one week

stor to commencement of operations in contection with any particular building, or for longer than five months during uperations, but the time may be extended for such further period as in the equium of the inspector may be necessary in the event of the superation of work the street in the event of the superation of work the street will operations rammence again.

28. Any person placing ur storing building

28. Any person placing or storing building material on any street or sidewalk in any part of the City shall be held respons the for any damage which may be occasioned thereby to persons or properly.

OWNERS RESPONSIBLE FOR SIDEWALK

28. Witnesser any building as breather canstracted in the fact all sovids between the found special properties of the special properties of the sound of the special properties of the special countries and the special properties of the special countries and special properties of the special properties owners shall supply the City with security salies factors to the City Commissioners in the sum of 84,000,00 to Indemnst the City against all costs, all 600,00 to Indemnst the City against all costs, charges or damage it may be put to by reson of subsidence in the sidewalls for street

NO NOTE ES ON BARRIE ADES

30. No advertisement other than that of the owner, architect, contractor, supply men recent ne prospector tenant shall be placed on any

Jence or covered way enclosing space proupled by the builder and these only in such form as is approved by the Inspector A sufficient number of red lights shall be placed in conspicuous places on every such fence or covered way and kept barning from dusk to daylight

RESTRICTIONS AND LIMITATIONS

LIMITATION OF FLOOR AREA 31. No restriction is placed on the floor area of ficeproof an ideas. In all other buildings hereafter erected in the City no angle area bet-

ween exterior or party walls shall exceed 7.508 square feet, unless equipped with automatic sprinklers. BUILDINGS OVER TO PEET HIGH PIREPROOF

32. Every hullding being over four storers in height tracept church spires and grain elevators) hereafter erected or substantially aftered in the

City shall be fireproof. Churches with a seating capacity of twelve hundred or more on the main floor shall be fireproof. HOTELS AND APARTMENTS

33. Every building used, or intended to be house or dormitory and exceeding three storeys In height, including the ground floor, shall be

HOSPITALS AND THEATRES

34, Every hospital, asylum, or institution for the care or treatment of persons and bring over thirty-five feet righ, and all theatres with a seating capacity of more than seven hundred and fifty, shall be fireproof BOILER ROOMS

35. All hoder and fuel rooms shall be fireproof except in private dwelling houses.

ALTERATIONS TO PRAME BUILDINGS IN FIRST PIRK LIMITS

36. No alteration or repair shall be made to a frame bubbling within the First Fire Limits of the rost of the proposed afteration or repair exceeds one-ball of the actual value of the building, or increases the height or ground area of such

ONF HOUSE ON LOT 37. No building inlended or used for a dwells.

ing for one or more families shall be located so as to front any public street or avenue less than thirty feet in width. HE SUBDIVISION OF LATES

38, No plan of a sub-division of any lot or loss

within the (iv) of k-dimenters shall be approved of, or constrict to by or on behalf of the (iv) until seven a deep seven separate to or greed of land there is shall have an axis of all best little thousant against feet no makes there is a lance of all less through a farmer feet no makes there is a lance of all less backly feet in width in the rear of each lot or praced outside all the back but no nor notice such such lot or parcel has a street fronting of the full width therefore frontings of the full width therefore.

39. No frame building within or without the First Fire L, mits shall be moved to any position within the first fire limits.

40. No recess or chase shall be made in any external or parts wall so as to leave the thickness at back thereof less than each inches.

41. No roof or floor timber entering a party or partition wall shall have less than four inches of solid brick work between it and the end of

42. No part of any roof shall be constructed in such a manner as to discharge snow ace or other

material upon a street, or otherwise endanger the public

- 43. No temporary staging or stand for observation purposes shall be constructed or occupied upon any roof of any hubling unless special provision has been made in the original design or plans thereof.
- plans thereof,

 44. No chunney shall be corbelled from a wall
 more than the thickness of that wall
- 45. No chimney shall be bung from a wall which is less than twelve inches thick.
- 46. No channey shall be carried on combissible supports.
 47. No musonry shall rest on wood, except
- piles.
- 48. No part of any floor timber shall be within one inch of any chimney
- 49. No studding or furring shall be within one inch of any channey
- 80. No furnace or boiler for heating a build ing shall be placed upon a wooden floor 51. No timber shall be used in any wall of any
- 51. No timber shall be used in any wall of any building when the walls are of stone, brick, ceneul, concrete or iron, except funds littles as hererafter provided and brace blocks not more than eight inches in length, with not less than sixteen inches of snatonry between them.

ENCROACHMENS AND PROJECTIONS

52. As step or steps, porch, store or shop wandaw hay or new, window, sign, fire enemy, or other projection or structure shall encrosely upon or project over the line of any street, have or other public property, provided, that after the hearst of tweet feet above the street grade, and then only an the street sign, eighteen inchas may be used for boy and oried windows, balcounce, belt coverse and projections of a like anister and mounting the super-structures, all of which shall or he built of incombustible material, except as he by law otherwise provided.

Provided that with the approval of the City Comprissioners maranees, if constructed entirely of in embustible material may be placed over the main critrance only of churches, theatres, botels, or buildings of a like nature. Such marguers must be secorely back and anchored in the building without supports from the ground or sidewalk. Any glass that may be ased in the roof shal be guarded and protected by rods and straing were mesh both over and under the glass. Starm water from the roof shall be consucted by pipes to the sewer all of which shall be subject to the approval of the City Cum missioners.

Drawings of such margures shah he filed with the Building Inspector together with a plan of the building to which it is proposed to be at-

STARRANGE OF STREET RE

B3. No timber joists or partitions or any structural a cropers of a building shall be cut for the to in any way weaker the structure.

SANSTER STREET, OF BUTTLE DOORSES, ETC.

54. No both-room, or toilet room, and no pantry or cupboard intended for storage of food stuffs. shall bereafter be erected unless such bath room, todel postry or comboard is provided with vent ulation by a window or by a Due at least 48 miches an area

88. No office building shall be used as a lodg ing-house, ronming house apartment or hotel un

less all the requirements applying to such places are compliant with

56. Every room used for sureping purposes in any building shall contain at least 400 c thic feet of air wage for tach accument

EALES-TROUGHS

57. No eavest-rough, rain water conductor or gatter pupe shall he built or constructed so as to percent or exams water from the roof of any builting to escape upon flow over or run across or upon any sudewalk or subplining property and the temperor shall require the owner or agent of my build ug hereafter erected, rebuilt or repair-

the aublic sewers.

58. No stool or seat shall be placed in any of the assles or passages of any church, theatre or other public building, nor shall any person or nersons by allowed to occupy standing room in he v such assle or passage during any services or colortainment

PART N

MINI LIMITS

59. The fire limits of the City of Educator should be develod and anon a set the First Second and Third Limits

PIRST FIRE LIMITS, YOUTH SIDE

(1) The first fire limits of the City of Edmonton North of the Sasksteliewan Biver shall be nil that portion of the City contained within the following 97th Street with Jasner Avenue, thence hast along the contro line of Jasper Avenue to its intersection with the centre line of 196th Street, thereas Nor halvag centre line of 196th Street to its inter-section with the centre line of 131a Avenue, thence West along the rentre line of 101a Avenue to its intersection with the centre line of line Fast of 97th Street thence North mong centre line of sald tune to its intersection with the centre like of 104th Avenue thence West along centre Inc of 194th Avenue to its intersection with the centre line of titlal Street, thence South along the centre line of 101st Street to its intersection with the Southern Boundary of Bullway right ofway, thence West along Southern boan lary of Railway right of way to its intersection with the centre line of lane West of 104th Street thence South along centre line of lane West of 104th Street to its intersection with the centre line of lane North of and parallel with James Avenue thence West along centr. The of and lane to sty Intersection with the Eastern boundary of the CPR right of way thence South along Eastern boundary of said right of way to its intersection with the centre line of lane South of and parallel to Justier Avenue, thence I and alone contre line of said lace in its intersect on with the centre line of 102nd Street theore South along centre has of 102nd Street to its intersection with the centre line of McDonald Brive thence had along centre line of McDonald Brive to brow of high of high bank to its Intersection with the centre

PERSON FIRE LIMITS, BOUTH MIDE

Also that portion of the City South of the Sai-Matchewan Diver and within the following boundaries. Commencing at the interaction of the centre time of faird Street with the lane North of White Avenue thence West along centre line of as at lane is the interaction with the centre line of 163th Street theme woult along the restreline of 163th Street theme woult along the restreline of 163th Street to the secretion with the centre line of 164th South of Whitz Account theme. Fast about the centre line of the half lane, for interaction with the centre line of 183rd Street, theree North along centre line of 183rd Street to total of communecement

SECOND FIBE LIMITS

12) The second fire limits of the City of Ld monton shall be all that portion of the City not embraced in the area described as the first fire limits, where sewer and water mains are now or becenter may be half

hereafter may be laid. TRIRD FIRE LIMITS

- (3) The third fire limits of the City of Edmonton shall be all that portion of the City not embraced in the first and second fire limits.
 - DI DANNES IN FIRST FIRE LIMITS
- 60. No frame or wooden structure shall hereafter be built within the said first fire limits or as they may hereafter be established except the fallowing.

 Temporary are above, frame haddings for
- use of huilders.
- (b) One storey sheds open on one long side for the housing or protection of vehicles, the area of any such shed rol to exced five hundred square feet. Enclased a des shall be covered with incom-
- first. Enclosed a des shall be covered with incombustible material. No wooden fence shall be used to form the back or sales of nor such shed.
 - te. Wisilen fences not more than ten feet high.
- the mas wherever with incombustible outerial and glazed with wired glave (2) No wonder shed shall be located within two feel of any lot line or less than I wenty feel
- from any other building

 (3) All roofs placed on any such building shall be covered with an ombastible material.
- 61. No building not at present used as a public surage bakery, dry-cleaning establishment, or coffee routling establishment shall bereafter be

used for any of the said purposes, unless such building is of fire-proof con truction, or is altered so as to be of fire proof construction. NEW BUILDINGS

62. All new buildings or additions to buildings

In the first fire him to shad have outer walts of brock or other permanent material BOOK COVERING

63. Every building bereafter erected within the first fire lights, shall be rooted with incombustable conterior and existing shands roofs within the first fire limits, when for any cause renewed shall be renewed with incombustible ma'erial

PART 6. MOVING BUILDINGS

LICEVECO MOVERS

64. The business or occupation of moving buildings shall be conducted by movers, duly Reensed under the By-laws of the City

Application for the permit required by By-law 25, 1917, as from time to true amended or reenacted shall be made in writing to the Inspector by the mover, giving name of owner and mover, accurate size and height of building, location prepayed location and prepayed route of least three days before the healding is moved. He shall pay to the Inspector a permit fee of lifty (50c) rents and a further sem of two and one had dollars (\$2.50). for every day or fraction thereof that such building may occups any part of a street or other public property. The maver shall before issue of the nermit denout with the Inspector such sums as may be required by the different departments of the City as a guarantee that any damage to City property shall be repaired at his expense. No permit shall be granted to move a building from property in respect to which toxes are in percers.

RETURN OF DEPOSIT

65. The Inspector shall ascertain from the different departments what expense, if any, has been incurred and in the event of the deposit heing more than saftle-ent the balance shall be refunded and if the deposit is not sufficient the difference shall be paid by the person obtaining the persall.

NOTICE TO DEPARTMENT

66. Before usin ag the permit the Impactor shall gave not less time there days notice to the departition is infected outlining the proposed route and on other presents, referentiate The per nit will rot be asseed without approval of the superintendent of the Departie ents affected and a copy of all peer is shall be forwarded to the different departments as soon as issued.

INTERPERING WITH WIRES

67. No person engaged or employed in moring any bailding shall in any any handle or discouncet any telephone, electric light, or street ratheas wire, or it any way usure any city properly or suchor any rope or other apparatus to any highest or telephone manfold or utility pole.

Page 7

EXCAVATIONS AND FOUNDATIONS

68. All excavations shall be guarded and protected and kept from becoming dangerous to Rfe and Linb, and shall be close timbered by the party responsible if in the opinion of the Inspector it Is necessary to prevent the caving of adjoining earth.

69. When any excavation shall be intended in

be entried below excelling foundations on allowing property the owner or contractor shall give the owner or agent of the adjoining property notice of his intention to carry such excavation below as it existing foundations.

PHILATRICS

70. The sustaining capacity of the soil or ground in the Caty is estimated all two tons per square foot. When the load exceeds two lons per square foot tests shall be made to prove the sustaining power of the earth and a record of such test kept by the Jaspeetor.

WALLS PILES PARTITIONS

POPEN STONS AND WALLS

71. All footings, foundations, waks and piers
must be of sufficient dimensions and strength to
carry and withbland are load or pressure to
which they are likely to be subjected taking the
regard to the conditions, strength and quality necording to accepted standards of meterial used.

TIMBER IN WALLS

72. When brick walls are used for party or division walls in non-freprior buildings the rinks of joists and brains resting on walls shall be separated by at least four police of brick combilled.

DIVIDING WALLS IN SEMI-DETACHED

ledges provided if necessary

73. Every non-fireproof semi-de ached dwelling or terrace of dwellings must have fire resisting fore and affinitions separating the different sections from cellur to roof, without any com-

BEARING WALLS

74. bught inch brick walls may be used for Insuring wells as dwellings f clear you r does not exceed twenty-six feel or the clear height does not exceed twelve feet. If these measures are exceeded, the shirkness of walls shall be increased by four in hes or mers hullresses, or such other re-informing as the Inspectur doors necessary BEAMS ANCHORED

75. All walls shall be anchored to bear a at each floor with sufficient area or steel anchors.

ATMOTES AND LANGELY

76. All openings to mastern walls shall have sufficient arches or linlely to withstand and carry the load for which the building is designed or used. Where wood linte's are used they shall he chamfered and have orches turned over I atel PARAPET WALLS

77 Paramet walks short be not less than much mehes thick and coped and shall be carried not less than two feet above the roof HOLLOW BURNT CLAY BLOCKS

78. Hellow hurnt clay blocks may be used if

ted bonned or otherwise re-offereed as in the upin on of the Expector may be accessory prcorring to the situation PURRED WALLS

79. In walls furred with wood the next course

of brick above the under line of floor joists shall project the thickness of the foreing beyond the inner line of the wall LIGHT AND VENT SHAFTS

80. The walls of all light and vent shafts twents-five square feet or over in area in all huildanes hereafter erested shall be of brick, hol-

stringers

low blocks or other fireproof material, and shall have metal frames with wired glass. Light, or vent shafts of a less area than twenty-five square feel may be built of woost studs with spaces filled with fire reasting material or covered with metal lath or plaster, but must have wired plast in w.ndows. All light or yent shafts shall be covered with a vent-lated skylight of metal and wired

HOLLOW TILE OR BURNT CLAY BLOCKS \$1. Where bodow tile blocks of hard burnt clay are used in bearing walls, the clear height between floors shall not exceed fifteen times the thickness of the wall. The nun mum allowable If more then one story shall be increased in pro-portion, two courses of brick shall be provided at floor lines to form bearing for ousts or

(9) Such other reunforcing shall be provided as in the caldion of the inspector is necessary according to the intended purpose of the building.

WOOD FLOORS, BEAMS, GIBDERS, TRUSSES.

82. The floors of all buildings shall be designed and constructed so as to sustain the weight to which the proposed building is fixely to be sub-

sected. An architect or some other competent person shall calculate and furnish the owner or agent of every highling with figures stating the load per square fost which may be safely placed on any floor or part thereof. Placards shall be conspicuously maintained in the different parts of every building on which the after sustaining capacity theil he marked in plan figures. Loading in excess of these figures shall be at owner's or agent's risk,

WOOD BE

83. A rest of four nuches shall be provided for the enist of wood beams in the wall or upon in post or girder according to the term so of this Byhow, the winds of beams restling on brick shall be cut to a breef of three inches and all spans of terfect or since shall be bridged with cross briging. The distance between my two lines of bridging shall mole exceed easily feet.

BEAMS TO BE TRIMMED AWAY PROM FLUGS 84. No wood licem shall rest in a chiencey or air flue or be frimmed newer than six inches to the lossife of any smoke flue.

WOOD BEAMS AND GIRDERS

86. Ends of wood beaust meeting on girders and had be strapped or anchored together in the same but of beaust as are wall anchored. Each pier in wells running parallel with bourns that be anchored it each floor. All wood posts shall be anchored it each floor. All wood posts shall be agained if right angles with their axis. Whood post caps or bolsters shall not be allowed in hundlings over one does in beginning.

PART 10.

BASEMENTS, VAULT AREAS AND SIDEWALK LIGHTS

WATER AND SEWER CONNECTION

86. Every building being constructed on property where water and sewer is provided shall be connected with the city sewer as soon as excaution is down to hastment level. Should there be no sewer or should the basement level be below sever or water level the accomplishing of water.

shall be prevented by pumping or other efficient NO VALUE AND A

57. No vault area or other excavation abail be allowed under any street or sidewalk in connection with any building hereafter erected in the City PRISM LIGHT PERS

88, Where any part of any street, lane, side walk or other public place is occupied by any vacit area or other excuvation therein or thereunder a rental charge of five cents per square the street lane subswalk or other public place including vault walls as is occupied thereby Such cental charge shall be payable in advance on the first day of January in each and every year commencing with the year 1924. This section shall come into effect on the first day of January, 1924 and the parts of by-laws now in be and become renealed

SHUPING DOOR COAL CHUTES, ETC.

89. No shipping or unleading door, ask door or cool chale communicating with the basement of any building shall bereafter be placed on any street, lane or sidewalk of the City of Edmonton if the lot is provided with a lone at the year or side of the same.

PART 11.

CHIMNEYS, PLUES, PURNACES, BOILERS, ETC.

PERFECTACES.

90 All fire places and channes breasts intended for ordinary fire place use shall have triumer arches at least stateen anches in width from the face of the chimney breast to support the hearth.

The firedness of all fire places bereafter precied shall not be less than eacht mehes thick in brick unless a fireback of firebrick or its equivalent in other frencof nabrial s used PLUES

- 91 The flues of all chimneys shall be lined with hurni clay or terra colta nine. No pine or formel conveying struct, gas or hot air shall be fixed so as to discharge next to any public street or on the front of any building. High Pursular Boltes Patra
- 92. All high pressure boiler flues shall be funed with firebrick labil to fire clay for a distance of not less than twenty-five feet from the source of
- BLATING PLANTS 93, Before the installation of any boiler, furnace or other besting apparatus, application for nercussion to austall, giving full description of the premises and the proposed plant shall be made to the Impector for approval, by the owner

BOT AIR PURNACES.

- 94. No person, firm or corporation shall, after the passing of this By law engage in or work at the bestness of installing Hot Air Furnaces unless such person, firm or cornoration shall first have alitured a license permitting him or them to
- 95. No person shall receive a license to engage in or work at the business of installing Hot Alr Purpaces unless he is of the full age of twenty. one years has a place of business in the City and presents evidence to the Inspector of his
- ability to install such work. 96, Every facenood Installer of Hot Air Furmaces shall employ only skilled and qualified mechanics and shall not allow or permit any work to be done by or for him in connection with

installing any furnace except by such qualified mechanics and their appentig a working under them

97. In the case of a first or exporation the License shall be assisted to any one member of the first or exporation or to the manager.

98. The fee for every such increase shall be the

you, the rectivery data from every state to was mot five deflows, passible upon application to the inspector of Leennes, and every such license shall expire on the 31st day of Decreober of the year in which it is issued. Every such license shall be remeable upon parment of a fee of two dollars for each year t is renewed.

90. Evers apply and for a literace to easie to the business of ioxidizing hold a r furnaces shall, after in alcog applie ation to the Inspector of Euceoses appears before the Injuryer or of Buildings, who shall eva must the applicant concerning his shall evit is in we find a few lessystem of Ederics whether or not be finds the applicant well shalled in the business.

100. In the event of the Inspector of Buildings certifying that the amplicant is well skilled the said van of the dollars shall be applied in his terms fee, but if he shall cert fs. that the applicant is not well as life he will said while be retained by the Inspector of Licenses and become part of the general necessary of the Comment of the Caty.

101 LI case who neglect or refuse to complete any work without good reason or who are guilty of sures are in proper material or workmanship in connection with any installation shall be liable to have their license cancelled.

102. No furnace work chall be installed in connection with any building until an application to do so has been filed in the office of the Building Inspector on a form to be provided without

any charge.

103. Repairs of a minor character may be made without such application being made but where repairs culail taking down the faracee and rebuilding some notice of such work shall be given

104. The sum of one dollar (81.00) shall be paid with each application to cover the cost of

imprection and entering records.

105. The Building Inspector shall be notified when any work is ready for Inspection and all such work shall be left uncovered until 11 has been inspected. Such inspection shall be made within two working days after receipt of notice.

106, All p.pes used for the shartbuiltion of bot

air in air blungs shall be made of sheet metal (tinned) with air light (seawed) joints.

107 Registers for both but and cold air shall

he placed in the walls of the rooms and no register shall be placed in a floor

PART 12. STAIRS, HAND-RAILS, ETG

TWO OR MORE STAIRWAYS ON ALL BUILDINGS

108. Every building bereafter exceled or remodelled and used or retended to be used for an office healthing, store factory, hotel, lodging buses or school, and having a floor erre exceeding tweety five hundred square feet, shall have at least two cord mouse fines of stairs remote from each other, and an additional continuous line of stairs for each line to five thought of the source area over two thousand five hundred square feet. but in no case shall it be less than three feet and aly tanhar to clear multh SPECIFICATIONS OF STAIRS

109. Stars shall have not more than a neteen

risers without a landing. All slaves shall have trends of un for a width and risers of un form height throughout such fight. I and ngs not forming a right angle turn shall be not use than thirtythre, inches deep Doors shall not swing so as to obstruct landings. All stormans shall have not less than seven feet clear head room. No currellar or winding starway shall be allowed in RAND RAILS

110. All stairways shall have substantial and continuous hand rails alongsule and also around well-holes. All starrages over five feet wide shall have continuous emb on both sules and all start ways ten feet or over in width shall have a hand rail in the centre

FIREPROOF STAIRS

111 In all buildings bereafter exerted and used for coll ges, schools, churches, hotels or apartments, the walls of starcase holls abail he of incombustible material and fire atmosed in each floor

PHICK ESCAPES

112. Every building bereafter ere fed and besufficient number of emergency stairs or fire es-capes of the stairway type one at least of which must be accessible from all parts of the build no without pressure an open starway or e'evater shaft All such emergency sin coass must have adequate land-ups at the level of each floor with access thereto by a door not less than two feet wide to swing outward and not to an any way obstruct the way Locking device shall be on the made. Bed lights and not ces shall be provided at exits on each floor, and emergency states or fire escapes must be within the property lines.

113. Any frame building of two or more stor-ies in height equipped with means of egress sal-isfactors to the Inspector shall be downed to comply with the requirements of this By-law

PART 13

SKYLIGHTS, BULKHEADS AND CORNICES

114. Every opening in the roof of any building for the admission of light except over elevator and dumb waiter shafts and theatre stage roofs shall have a skylight with metal frames and wired glass, or of glass protected above and below with galvanized wire netting of not less than number twelve were and not over one meh mesh.

CORNICES

115. All cornices on any building with walls of fire uroni material shall also be of fire proof

SCUPPLES IN FLOOR OF STORE OR WARRIGHTON

116. Every building used as a store or warehouse shall have as many cast you have scuttles fixed in the floor as required by the Inspector

117. Tanks containing five hundred gallons or some when placed in any story or upon the roof of any building, shall be supported on iron or sleel beams or girders and supports or on piers of masours resting on permanent foundations. Such tanks shall be placed at one corner of the building and not over a time of stairs.

PART 14. ELEVATORS

PARENGER KLEVATORS

110. Every passenger réventor in my building hereafter built re-nodelled or enlarged shall be placed in a fire proof shall se placed in a fire proof shall se pursai from the starred and the provided with proper fire doors with locking device on the shall sade and all surhelessations of the placed of the shall sade and all such elevators shall be provided with the ounter weights and auditeient approved asfety devices, sho authority and limit stops all or whirst shall at all started and the shall at all started and the shall at all shall shall shall at all shall shall at all shall shall

PROJECT ELEVATORS

119. Every freight elesator most be provided with approxicy landownth downs at of le cach floor through which the elevator passes, such doors to be so hong that they will stall lines trends closed except when the elevator is passing each floor and every freight elevator must have its case, and the subject of the elevator must have its case, and the subject of the elevator must have its case, and the subject of the elevator must have its case, and the subject of the elevator must have its case, and the subject of the elevator must have the elevator freight elevator must be provided as a subject of the elevator must be provided as a subject of the elevator must be provided as a subject to the elevator mus

DEMR WATTERS

120, All dumb waiters enclosures must be lined on the inside throughout with fire resisting material

121. All elevators shall be inspected by a competent inspector at least once in every fivelve months and a certificate of such inspector certifying that the elevator is safe and in good running order shall be forwarded by the owner or bis no not to the Bushing financetor.

OPERATOR TO BE IS YEARS OF AGE

122. All paractiger clevitars unless operated

hy automatic control shall be in charge of a cumpetent operator not less than fifteen years of age.

PART 15. FRAME BUILDINGS

STUDDING IN PROME BUILDINGS

123. The studding in outside walls carrying paristions of frame buildings shall be not less than

two by four inches and if three stories in height studding shall not be less than two by six inches for the tiest story, all to be object not more than sixteen jornes on centres. All walls and cross partitions shall be ongle brazzil JODITS IN FILABLE BUILDINGS

124. The justs in all fracte haldings shall be

of sound to ober of sufficient strength to sustain without deflection the Intended load and shall be provided with sufficient bearing at each end, and shall be fire stopped over partitions and around stair walls, and shall be coass bridged every eight PUBLICANIAGE

125. No frame building within the first flow

lugits damaged by fice or other destructive agencrea to the extent of fifty per cent or nore of the value thereof shall be repaired or relault except in confermity with the provisions of this its law No such building where damage is less than fifty per cent shall be increased in height or area by uny repairs but nothing in this section shall prohib t the politing of a stone or other substantial foundation under any building or prevent any one who may have a two story frame dwelling with a one story frame kitchen from adding a

FIRE DAMAGE WHEN MORE THAN 80% 126. Any heilding within the first fire limits.

datumed by fire or other destructive agency to

a greater extent than fifty per cent of the value

thereof shall be taken down and removed LIMITING FRAME BUILDINGS 127. No frame build no shall be built to a greater height than three stories.

VENERHED BUILDINGS

128, A veneered building shall mean and in-

elude any frame structure the walls of which of not less than four meiters in thickness, which in every case must be properly secured to the for fort or three stories in height exclusive of all other respects as frame buildings and if built nearer than two feet to the adjoining for line or dows or openings on any such side.

Dane 16 MILL CONSTRUCTION

129. No building of the Mill Construction type thall have a concealed air space.

SPECIFICATIONS POSTS AND COLUMNS 130, Inside loads shall be properly supported upon a framing of wood posts, having strders, beams or piers sufficient to support their load. Wood posts shall not be less than eight nehes in either cross diame er, except for posts in the top

story which shall not be of unafter area than forty-eight order nor of less than six inches in either dimersion. All columns shall be squared at right angles to the r axis.

CAST IRON OR STREET CAPIT 131. Wood posts shall have cast iron or steel caps or boxes so constructed as to form a have for the next post above. The ends of the girder

shall be secured to the cap or hox in such a manner as to be self-releasing. 132. Cast iron columns and steel columns, girders and heaves may be used if covered with

Reproof material.

SPECIFICATION OF PLOORS

133. The lower floor may be of concrete if

134. Wood floors shall be of plank not less than three inches in linekness, splined or tonound

han three inches in linckness, splined or tangued and grooved, covered with a wearing floor of boards not less than one unth thick land in a crosswiste or distinct of interesting the agroved and properly natide, or a launitated floor of not less than 2 x 4 material 135. Boards shall be boarded not less than one

135. Roofs shall be boarded not less than one inch in thickness, tongued and grooved, ar shiplin.

PART 17

SKELETON CONSTRUCTION

SKELETON CONSTRUCTION

116. The term "skeleton construction" designs sply to buildings wherein all nosts and strains step transmitted by the foundation by a frame work of metal, their different parts being reveted to each other, and all bears and sinders having retested conscious with the columns. Where the use of river's is not practicable or in the opinion of the Ingapeter not necessare, bolts may be

COVERING OF SKELETON CONSTRUCTION

137. All such metallic construction shall be protected against five by being entirely covered with fireuroof material of not less than four inches in thickness on columns or less than two inches on flange of beams.

INDEPENDENT OF ADJOINING BUILDING 138. The steel frame of a building shall be in-dependent of an adjoining building unless built

al the same time

139. Before a permit is granted for a building in which steel is used to carry the head the designing engineer shall forward to the Inspector with the amplication a certificate certifying that the building is properly designed to carry stated lower to all his considerious

PART 18. PERSONAL CONSTRUCTION

140, All haildings of Fireproof Construction all parts that carry weight or resist strains in-cluding roof construction, and all stairs and stair ways and elevator enclosures are of incombustible materials, and in which all metallic structural members are protected by a sufficient Brenroaf covering securely fastened to the metal with wire or metal clips.

BE INFORCED CONCRETE CONSTRUCTION

141. In concrete or re-inforced concrete con-struction walls, floors and piers shall be calcul-

ated and constructed and proportioned accordmixed softiciently wet to fill all yords within the forms as soon as mossible after maxima and in no case shall cement be used after it has been

wer more man one nour. The frems for cole maposts beams and girders shall be built in conjunction with the Incres for the floor slabs which they support and no forms shall be removed unit all parts of such respective roll-ands, neans, or floors are strong enough to support themselves and my lond that may come upon them during construction.

PART 20. APARTMENT AND TENEMENT HOUSES

APARTMENT OR TENEMENT

142. An apartment house or tenessent house shall mean a building or part thereof which is arranged so as to be occupied by three or more families living ledge meetly of each other

OUTSIDE LIGHT IN EACH ROOM

143, Every apartment house or tenement house shall have a state light in all rooms and each and every apartment must be accessible from a public halfway which shall at all times be kept well and sufficed in lighted. There, shall be a vealing significant with the shall be a supported and the direct access from the halfway to at least shall be direct access from the halfway to at least which the direct access from the shall be accessible without having to must be other.

LIVING BOOM IN BASEMENT

144. Rooms or apartments in bisement shall have at least three feet and six inches clear between surface of ground and evil no of rooms.

and floors and underground portions of walls

Mall be well-ruroof and damp-proof.

LAVATORY ACCOMMODATION

145. There shall be a separate voter closel in

a separate compartment within each apartment, or when apartments consist of one or two rooms

there shall be at least one water closet for each four rooms. Lodging or rooming houses shall be provided with as many water closets for each sex as the lumector or Board of Health may remuce but shall not be less than one for every fifteen occupants. Hotels and saich buildings as may supply transient accommodation shall have a general lavatory with adequate water closets in addition to the requirements of this section. All water closets must be provided with sufficient means of rentilating the same both day and miatht

FIREPROOF APARTMENTS 146. All aparlment house or tenement house

buildings four or more stories in height shall be of Stepruof construction. When rooms in office balldings are used for living rooms the playing tons of this section shall apply

Paur 21

PUBLIC BUILDINGS, THEATRES AND PLACES OF AMESEMBAT

DEPTNITIONS

147 For the purpose of the following thirty sections viz., Sections 148 to 177, both numbers inclusive, the word public building shall include churches, chanels, sominaries, codeges, convents schools, hospitals asylums, hotels theatres libraries, halls, concert rooms, and all other places used or intended to be used for public assumblage

REGULATIONS AS TO GATES AND DOORS

148. When a hundring is in use by the miblio the doors or gates in the corridors shall be kept unfastened, at other times they may be closed and fostened by movable balts or latches. Onen earth or coerdors in or shout the courts shall not be used for shiring purposes nor for any purpose whatever except as an entrance or exit and must be kept free and clear during performances.

STAIRS AND STAIRWAYS

contex and safferies shall not communicate with the basement ne cellar, and all stairs shall have freads of uniform width and risers of anifor in height throughout each flight. No stairway from any nalbers shall be less than four feet in width between handralts.

STATECASES IN PUBLIC BUILDINGS 150. In every theatre or public building hav-

Ing a helf for public according the subcases for the use of assisters shall be enclosed with waile of fregroof materials and in the stories through which they pay, the opening to the said starcases from each tier shall be the full width of the start width of the door shall be provided between such starts and such door.

SEAT BPACING

182, to every heater or public building hashing a hall for public awendus, at list sets in the auditoriam excepting those confused in bases, shall be not less than their-town niches from buch back, measured in a horizontal direction, and firstly secured to the floor and so arraneth and not more than six seats shall inference helicons and the security of the securi

....

182. In every theore or public building having a half for public assemblage public doorways are sails (seeigh fire nearblage public doorways are that five feet in width and for every additional one builded nearons or fraction thereof is not that five feet in width and for every additional one builded nearons or fraction thereof is not that five feet in width and for every additional one builded nearons or fraction thereof is not the fire of the fire cess of five hundred for which accommodation is provided an aggregate of twenty inches additional exit width must be provided, and all doors of exit or entrance shall ones outwardly in such a manner as not to become an obstruction in env possede or corridor, and no doors shall be closed and fastened when the building is enemed to the nublsc

EXPTS

153. Every theatre shall have at least three exits with a free massage way from each exit to a street, and every such public building here-alter erected shall have an exit on at least three sides for the main floor of such building, with a free passage way from each carl to the street and shall also have an exil, understudent from the main floor exits, from every gallery leading either to the passage way or to a street.

WHITTHE OF PASSAGE WAS

184 Passage ways shall be provided in every theaten of at least the following widths-

Where the senting congrety does not evened sty hundred Say feet words

Retween six hundred and one thousand Seven feet wide.

Between one thousand and eighteen bondred Right feet wide.

Exceeding eighteen bundred Ten feel wide

STORAGE BOOM-STAGE SEPARATED IN INCOMPOSITBLE MATERIAL

155. In any theatre no workshop, storage, or seneral property room shall be allowed above the auditorium or stage, or under the serve, or in any of the fly galleries, unless all such rooms or shops are located in the rear of, or at the side of the stage, and in such cases they shall be separated from the stage by a wall of incombustible material, and the openings leading into said por-tions shall have vell-closing standard fire doors,

RESTRICTION OF LISE

156. No portion of any theatry hereafter erect ed or altered shall be orranged or used as an hotel bearding or lodging house, factory, workshop or manufactors or for storage purposes except as provided for An store or coop contained in any theatre shall

be let or used for carrying on any haviness dealing so any orticle or maler al dangerous to life No ladging accommodation shall be allowed in

AUDITORIUM SEPARATE 157. The auditorsom is every theatre shall be

wnarated from the entrance vestibule and from any room or rooms over the same and from any lobbies or corridors by a wall of fireproof ma terral. The doors shall be much to close autowat cally and he of standard nattern and make 158. In every theolic having a stage + fire wall of firegroof projectal not less than twelve anches

thick shall separate the auditorium from the auditorium roof

PIRCEPHOOF MISTAL CURTAIN

159. In every theatre the proscentum opening shall be arounded with a firenceof welal cuctors or a curtain of ashestos or other fireproof material, overlapping the brick provernum wall at vertically at each a de within iron arrowes or channels to be accurely holted to the brick wall extended to a height of not less than three feet above the top of the curian when raised to its full limit. Saul curtains shall be suspended or hone he steel cables massing over wrought gron or sized sheaves supported by wrought iron brac-kets of sufficient strength and well braced, the brackets to be accurely attached to the proscensom wall by through holls with nots and washers on the papasite side of the wall. Said fireproof curiain shall be raised at the commencement of each preformance and lowered at the close of the said performance and be provided by anproved machinery for that p report. If the proscentum curtain be of ashestos, the material shall be reinforced with ware or wines anun in asbertos and at the botto a of the curism shall be weight, or urely fastened to the curtain and covered over with bke material as the curtain itself, to carry down the curtain by the weight of the said rod or hat when released. The races of weight of the curtain is to be overcome by a check your of cotton or beam extending to the floor on both sides of the stage so that the cut ting or buceing of it will release the curtain and away it to descend at to a rmal rate of speed. The proses nature curtain shall be placed so that its nearest no at sholl be at least three feet distant from the footlights.

160. In every theater there shal be no door way or opening through the provenium will from the not forms, allowe the level of the first floor and openings on or below the first floor shall have wifeeloung for door the first floor shall have wifeeloung for doors.

ABNTHATORS.

161), in seex therein there shall be one or more ventilators entirely of metal or other incombination material mear the centre above the
highest part of the stage extending at least
test shave the stage roof, and of a resultance
are equal to at least twelve per centum of the
area stathen the stage with. The openings in
energy such ventilator shall be closed by a valves.

loavers, or dampers, so counterbalanced as to mpon notionatically, bell closed by beinger and rection cord, in which shall be inserted a fassible his at such a point on to be near the bottom of the vertilator and such cord shall be fastered at the takes floor level near the prompter's deals, and so arranged that it can be easily reached and according to the control of the control of the con-

CONSTRUCTION OF STAGE

162. All that portion of the stage not comprised in the workings of scenery, trops, and other nechanical opporatus, for the presentation of the seems awalds equal to the width of the prosecution opening. And the both of from or steel because particular to the support of said because that the particular of the support of said because shall be of screen's trong in a pilled steel.

RIGGING LOFT REPUBLY STC, OF NOV COMBUSTIBLE MATERIAL

183. In every theories the grulum or raging fold shift have a littler great time and be resultly accessible by a row starrways. All stage scenery vortain and idecurations made of rembastible material, and all wood work or or about the stage shall be painted or staturated with one nan co shadible material or otherwise rendered safe sainst fire.

AUDITORIUM CONSTRUCTED PEREPROOF

166, In every theater the roof over the auditorrunn the entire main floor of the saudicorium and vestibule the entire superdirecture over the eniterare foldy and over fore, and in galleries and supports for the same in the auditorium shall be constructed of zon or sizel or firmpool materials not excluding the use of wood floor boards and servestay theoryers to fract the same ts, but such steepers shall not mean tumbers of support, and the space between the steepers (except he portion under the stepping in the galleries, which shall be properly fire-slopped) shall be solidly filled with incombusible material up to the underside of the floorboards.

GALLERIES

165. In every theatre the fronts of each gatlers shall be entirely formed of Arepound materials, except the cappans, which may be of wood.

186. In every theatre the ceiling under each gallers and anditorous shall be entirely formed.

of fireproof material and all lathing whenever used shall be of wire or other metal on inetal studding. Firefrick Wath Rials, and proofes from

167. In every theatre the partitions in that nor t on of the building which contains the authorrum the entrance and yes it also and every room and manage used to the radien shall be constructed of Preuroof materials, including the furring on outside of other walls. None of the walls or ce lines shall be revered with wood sheathand, wood warmeding, capyas of any combustable mater at new admy this shall not need to dethe construction of wood sounding board over orchestra p 1 when some extends back of and below the over banging of the stage. Actors' dressing rougs shall not be placed on the stage. the fly salleries or under the studioclary but shill be placed in a separate accion provided for that purpose

168. In every theater the platform or risers formed to receive the seats shall not be more than tweats-fore inches in height of riser not less than that is two inches in width of challenge.

WITHIT OF AUGLAS

169. In every theatre all assies on the respective floors in the audit races, having wats on both sides of same shall not by less than three feet wide where they begin, and shall be increased in width towards the exits in the ratio of one

and one half (or her to five running feet

Aides having seals on one side only, shall not
be less than two feet are inthes wide at their
beginning, and increased in whith the sante as
gaides having seats on both sides.

POYERS LOBBLES PTC

- 170. Every theatre shall have an aggregate capactiv of lovers, lobbies, corridors and passages, for the use of the authence sufficient to contain the entire murber to be accommodated on said flour or gallery in the ratio of one hun fred and lefts superficual feet of floor room for every one
- superactual rect of moor room for every one loandeed persons.

 173. In every thesite gradients or inclined planes shall be used an place of steps in the ables, corridors and passages.
- TWO INDED: YOU YT STAIRWALS WHERE THE CAPACITY EXCEPDS ONE THOLEAND
- 172. In every theatre where the senting capaeth is for more than one thousand mornin there shall be at least two undependent statecases with direct exterior outlets provided for each sallery in the and forms, where there are not more than pos te sides of said galeries. Where there are more than two sulleties, one or more sulditional staircases shall be provided, the outlets from which shall communicate directly with the principal exit or other exterior outlets. All said staircases shall be of width proportioned to the gallery accommodation as elsewhere herein prescribed. Where the seating capacity is for one thousand neonle or less, two direct lines of Maiccases unly shall be required, located on opposite sides of the galleries and in both cases shall exlend from the sule walk level to the upper sallery

with outlets from each gallery to each of the said staircases and at least two independent direct exterior outlets shall be provided for the service of the stage and shall be located on the opposite saides of the same.

STAND PIPES AND FIRE APPLIANCES

173. In every theater stand pipes of not less than two and a half inches dunieler shall be pro-

One or each take of the authorium in readtive one or each take of the support on within ten feet of the drove, of the property recons one within take the level of the respective shape within the contractive of the support of the kept clear of stativations, the therat of all connections shall be conform with that is and by the Fire Department of this tax and two upwares with the feethed creds have the most the paper with the feethed creds have the most the paper pressure and be ready for a more discussed.

A sufficient quantity of approved lines how not less than two and one-half or wheels or dismete as fifty for lengths shall be kept allached to each how connection and be equipped with washes, couplings and nozales, and there shall be kept in read new for mome late see one crity and no safety and the shall be kept in read new for mome late see one crity and not shall filled with water and say the pairs on such side of the pairs in a property, and other share rooms, and work shape painted red and left ered "nor This Personan South".

and work stops painted red and let ered "ros ring rangests out;"

174. In every theatre hereafter erected a sylem of standard automatic sprinklers supplied by an independent water service shall be insiglled

throughout the entire stone scetton.

175. The exit of every theatre shall have over the same on the finite, the word "axit" painted in legible letters not less than 5.x inches high.

except the provisions relating to a stage and prosteerium, and every such but thing having a stage shall comply with all the provisions of this By law relating to theares.

177. The operating booth shall be freproof

and vent lated and shal, he placed where it will no interfere with the proper and ample exit of the speciators.

PART 22 PUBLIC STABLES

PUBLIC STABLE

178. Public stables, according to the terms of this By-law, shall mean and include any stable where eacht or more annuals are housed.

PERMIT

179. No permit shall be usued to erect or after a halding steaded to house eight or more animals unless authorized by the Council of the City

DRAINAGE

BOOK Stall floors shall have water-tight floors. Stall floors shall d a 1 into guiters all graded and connected to a trup catch basin and from catch basin to qubitle sewer. Brespaceles shall be provided for manure the contents of which must be reasoved in accordance with the

regulations of the Health Department.

181. Stable pards where animals are allowed to run loose must be enclosed with a tight hoard

fence not less than eight feet high. All accumulation of manure or other waste matter must be removed in accordance with the region-ions of the Health Department

FIRE PROTECTION AND EXITS

182. There shall be sufficient fire protection in al price stables consisting of fire hose connected with he city water system or a sufficient numher of approved their cal fire extinguishers. Adpublic stables shall have at least two exits not less than five f et in witth and as remote as posstate from each other

PRILATE STABLES

183. No ir vate statde in which horses ar cown are kent shall be but t within 70 fort of the street on which the lot fronts

PART 23

PERIOC CARACTE

184 A push-, garage w tern the meaning of this By law a a building used for the storage or remain of motor vehicles for public use. No part of such gurage shall be used for any other nerpose unless separated therefro n by fireproof walls, floors and certings. All such outldings shall have outside walls of brick or other fireproof material and if two or more stories in height shall have re-inforced or ignitizer floors and shall be hested by steam and shall be vestilated as in the on mion of the Inspector may be

Becessary. DIDVATE GARAGES 185. Private garages to house not more than two automobiles may if built entirely of steel or other fireproof material, he placed on cear of materials between the placed on the safe last within the First Fire Limits but not soure than one such surage shall be placed on any one lat. Private garages, if attached to a dwellag shall be separated thereform by a wall of ancombastible material and any openings in such wall, shall be providen with fire doors with a selfcloung device and shall not be heated directly

IA MIDER OR WOOD VARDS WITHIN FIRST

186. No person shall establish a lamber or wood yard with a the first fire limits

187. No limiter or word in a xy wood or lamory ward shall, build within a distance of at least tin feel from any france bindings in the vicioty of any auch wood or lamber yard, and if wood and lamber with shall have rood-wayter with a shall and the shall be a shall be and of a shall of more than fifty feel apart. Lamser piles shall not exceed sasteen feet in height and woon, piles shall not exceed saste height shall have been contened from the Gity Comshall have been contened from the Gity Comshall have been contened from the Gity Com-

FIRE SHUTTERS

188. Whenever my building stall be growted with exterior statutes, above the first story, some beauties, shall be securely factored in the building and so build as to be resultly opened or closer cluber from the loss do or from the outs dos, and silt first doors and shitters to openings on the first floor shall be secure, lung, and at least one of such fire doors and reas shall be secure, lung, and at least one of and view shall be sincered that it can be opened from the outside by fiveness.

PART 24 PREMISES USED FOR DRY CLEANING BUSINESS

DRY CLEANING BUSINESS

189. Every holding hereafter exceled or after of and integled to be used as a dry cleaning establishment, where ganoline or heraine is used, shall be an energy freprice of as possible. It shall not have floors of wood, it shall have sufficient work holes at on mer the certains. It shall be hear even holes at one are the certains. It shall be hear compared to the contract of the shall be also as the clear through or hole water and shall be folded by electrication of howe an approved trap in sever connection.

PART 25 TO NNELS UNDER AND BRIDGES OVER LANES

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court of anything done or outsted to be done by the applicant, in respect of the proposed work. Every is in liance, or bridge shall be of freperoof consideration Throughout and shall it all times be kept free from any obstruction or adminished in a terrial and shall be lighted by electricity and vices shall be given to the authorized agents of the Cita of all genomials? I may be used to the Cita of all genomials? I may be used to see the

PART 26

RESULATING BULBOARDS, SIGNS, SIGN-ROARDS AND ROOF SIGNS

191. No Fillboard, signboard, sign or adver-

tising device one hundred square feet in new shall be erected, moved or altered in any part of the City unless a permit has first been obtained from the Bulating Inspector

APPLICATION 192. A Land cations for the erection, colorg-

as or esmoval of a h I hoard eighboard, sign or adversing device, shall be accompanied by the written consumt of the owner of the property, and full particulars of the construction, ownership and advertising.

PLES 193. A fer of fifty cents shall be payd to the

Inspector for the issuing of a permit for hillboards, signboards, signs, or advertising device, over one hundred squire feet in area, and a further annual inspection fee of lifty cents for each

BOND REQUIRED

194. Any person or firm engaged in the business or occupation of erecting or removing bill-hoards, signis, or advertising devices

shall execute and file with the City a bond with sufficient survives in the satisfaction of the City Commissioners in a sum of rol test ham #1000.00 condition of to indemnify and hold the City harmless from all dimages to persons or property that now result from the erection or maintenance thereof.

REBURY AND DISTANCE FROM STREET

1865. As billhord or upshoard shall hereafter be erected of a greater height list notionate feet, except in the curve of double decker haards regarded activationers, said, so upper deckl particle activationers, said, so upper deckl per deckler haards and a second of the control of the period of the ground saffary is losse of hillhord or sign-boords. All pollhords or supported for the ground saffary is losse of hillhord or sign-boords. All pollhords or supported for the period of the ground saffary is losse of hillhord or sign-boord. On the period of the pe

CONSTRUCTION OF BILLBOARDS AND PROJECTION OF SIGNS

196. Biblisharis and mass shall be of faces that the entering creek as the control and braves for all bloomer, may be upon the control and braves for all bloomer, may be upon the control and the control and

BILLMOARDS IN OR NEAR PARKS

197. No billboard or sign shall be allowed upon any public nork tother than signs regarding the same) nor mous any oronerty overlooking the river or within two hundred feet of any part of

the banks of any rayines within the City

POSTING BRONE ON PENCER TREES ETC. 198. No sums or advertising device shall be nosted or otherwise fastened other than notices converging the property Red (and then only as that let appropriate on fences, trees or buildings within the fifthand all such signs are absolutely probabiled on telephone or electric light poles, Any signs placed in contravention of this section may be removed without notice. No sign or advertisement shall be placed on any fence or covered was permitted in front of any building thring construction or repair other than the names of arch teel contractor supply men and recent or prospective tenants and in such forms as approved by the Inspector

CHICLE POSTERIS AND CLOTH SHANK

200 All sums or advectes are matter of any kind which may be placed anywhere in the City advertising circuses or other travelling shows must be taken down or removed by the parties responsible or their agents within forty eight hours ofter such circus or show has ceased to exhibit in the City. A gonfantee deposit in the sum of to the effect that such advertising shall be resection In default of removal within the speci-Bed time the Inspector shall cause the same to be removed defraving the expense thereof out of the deposit and shall return any balance to the depositor

200. Temperary upon of cobb, wood or other material shall not exceed us feet in depth and has relead across the other front of a building prove feet such as a placed fits against the wall (and as each) factored therein of the furthering (and as each) factored therein of the furthering in (and as each) factored therein of the furthering in (and as each) factored therein of the furthering in (and as each) factored therein of the furthering played on any given permeas at any sixel. Line facts with say that the research within fifteen days that of the furthering the furthering the further each) great from the indexalls.

201. Sign writers shall make a mostille declaration to the Inspector on forms supplied) of signs erected by their during the preceding month and shall pay a fee of lifty cents (56) for each sign of one hundred square feel or over erected.

202. No coltan or cloth vian banners or anmountements what he strong or placed several and street within the first about which brailles or other high tessions where are placed most shall and any such sign or homer be strong across and other street without a permit in writing being first obtained from the Inspersor and approved by the City Commissioners.

BLAIMSTEP ROOF AND PRIMITETING BOXING OF 2023. Feel rist in the nated ord some core to buildered situates feet in serie and all Looksatt of private and the private and the private and the private and the rest of the seater's of metal are other equally increase health because of metal are other equally increase health categories to metal are other equally increase health of metal are other equally increase health of metal are other equally increase health of metal and the private in the roof of any hand for govern two stories in heapth values the healthing is not the other order of any hand for government of the private of a stories of the contraction. As we are triving upon the feet of the private of a stories of the private of the

shall be of reclai menading braces and supposed lilliconnated properting signs shall not proper more than seven feet and any melescope over a public after the sides had not finish have a recent space of not been than twelve feet from the lowest part of the upon to a few with or their surface level, the section, shall not apply to super than meated by reflected turbs.

APPLICATION, PERMIT AND PEES

204. No such sign as outlined in the precoding section shall be recected until application to writing has been under to the leaper-of-groung full particulars, a closing owner, centror constructions and size. If the Projection is of the opposition and size if the Projection and size if the Projection is of the projection and size if the Projection and size in the Interest of the Six-less he shall thereupon with the terms of this Six-less he shall thereupon sizes a permat and called a few threedom of oddhar 151 00) for each sign of one handred, square feet or over

PERCEBICAL WIRING AND INSPECTION

205. No illuminated sign shall be erected that the plant therefor base been submitted to the Giv khetrican and his approva and permission obtained. All win agond installation is connection therewith shall be corrier out under his supervision and inspection.

BONDS REQUESTS

206. No perms small be assisted for the ervet on of any sach sign as he rembefore described until the applicant or owner shall have I hed with the City a boad in the six of One Thousard dollars 181,0000° with unfliveral swretzes to the approval of the City Com assumers to incremally and hold let it is larmiced segment all demages by reasonter the companies of the contraction or as whenser thereof.

PENCI-S

207 No person shall bereafter every any tence which is over three feet in height, on or near any street, avenue or one line until he has first submitted to the inspector particulars or specifications thereof and received a period from the Inspector authorizes the erection thereof. If in the opinion of the Inspector the fence when erected will be improperly constructed or bkely to be or become dangerous to the public he shall refuse the nermit.

REPRAL 208. By-law to 21 1917, and all amendments thereto, Sect.ops 1, 4 5, ft. 7, 13, 16, 18, 19, 23, 25 and 27 of By law No. 23, 1917, and amendments

thereto and all By-laws or parts of By-laws inconsistent with the provisions of thus Sv-law are hereby repealed

Read a first time this 11th day of June, 1923, Bead a second time this 8th this of October,

1923

Read a third time and payed this 11th day of

(Staneel)

D M DIRECTOR Mauor.

CHAS BR. K. Cox.

Cltu Clerk

(SEAL)

October 1923.

BY-LAW No. 35, 1923

A fishest to prescrabe the space to be left vacant about hostings, to limit the number and nature of binar mas to be excited on any fist or prect of land with ne certain parts at least Let at Edmination and to declare certain streets or parts thereof to be reasolatal streets and to praceribe the distance from the line of the street of front of and at the side of it at which no bin hing on a residential streets when you be placed or excellent.

The Municipal Conneil of the City of Edition ton, duly assembled cracks as follows:

1 From and after the passing of this By law ne aparine it or tenement house, that is to say, a bailding or part of a building which is so arranged as to be occupied by three or more tamilies bying independently of each othererected on any lot or surcel of land within the City and used or intended to be used for human habitation shall occurs more than seventy-five ner cent, of the lot or parcel of land upon which at in erected provided always that when an ts used in mart for business nurposes, the ground floor thereof may cover the entire area of the lot or parcel of land upon which it is crected if the whole of such floor is used for stores or sales roum purposes only, but above the first story only eighty per cent of the area shall he accumed by the building, the bulance of twenty ner cent shall be left free from obstruction so as to secure free circulation of ser and access of proper light.

2. Every such building shall be so constructed

 Every such building shall be so rendructed as to provide light and ventilation directly from the outside for every roun therein but this restriction shall not apply to the ground floor if the same is used or intended to be used as a shop or for other business purposes.

3. From and after the mass no of this He law. no detached or semi detached residence used or intended to be used for human habital on shall he erected placed upon or moved to or upon any lot or purcel of land within the firs of Edgion ton unless such lot or parcel of land has an area of not less than there thousand square feet exeleuve of any allowance for lane provided always that where any lot or parcet of land is of a less area and has been laid out and the plan thereof has been registered in the Land Titles Office for the North Alberta Land Begistra con District or where any such lot or parcel of land about upon two streets or where hy reason of the rregularity of survey or other good or sufficient any such special case that this provision shall not be applicable to any part cular lot or parcel of land

4. For the purposes of this section the term "tetrace" shall mean and include any building or series of buildings under the same roof divided into separate resilences having a separate en-

into separate resilences having a separate en trance door from the outside (2) From and after the passing of this By-law no terrace shall be erectrit, placed upon or moved

to or upon pur lot or parcel of land within the City of Edmonton unless each separate residence therein shall be situated upon a parcel of ground having an area of not less than sixteen bundred square feet.

(3) No such senarate residence shall occupy more than fifty per centum of the plot or parcel of around adulted to or to be enjoyed therewith. a A full noter asser of at least two feet shall be left between the side property lines and the outside walls of every frame building (as from time to time delined in the Building By laws of the (aty) hereafter erected in the Caty of Edmon. for unless the walls next said property I'm are venerical with brick or other incombastible materral not less than eacht mehes thick throughout the full length of such wall or unless a wall of moundaistable a steeral not less than copit inches

thick and the full length and height of the buildupe to healt at or pres the said occurring line 6. All streets and ovenues and parts of streets and avenues within the City of Edinonton exertif those a 1 ool in the achedule hereto annexed and nurked 'A which schedule is incorporated into

and made part of it a Ba law are bereby declared to be residential streets

7 From and after the paying of this By law no bus done shall be exected or placed moon any ked or parted of fand in front of which lot ne parcel of land there is a residential sired unless

the front wall of such building is a tuste at a distance of at least twenty feet from the line of the front og residentiel street

(2) In the case of any new by blue erected on any lot or purcel of land fronting on any residential street the front wall of he new building Buy he saluate at a less distance than twenty feel from the afrest I as if it he between two existing buildings in the same black but the front wall thereof shall not be negrer to the street line than the front wall of the existing building which is

nearest to the street line, and in case the seve building be erected on a corner bot, the front wall excusing building (3) In the raw of any new building being erected on a corner for it shall, except a set out in subsection (3) of this section, have its wall on the narrow sade of the lot not less than terryly feet from the street line of the street line is the street line of the flushage or for the street line of the flushage or long side of the street line of the flushage or long side of the street line of the flushage or

ong sine o toe ion.

8 From and affer the passing of this fly-law in shop or store briffing, launch's building, public whose or store briffing, launch's building, public wavehouse or sew building tower or intended to be used for business or trade shall be erreled upon any lof a practed of land fronting upon any tread mulal street. Provided always that so any special case the Council may for any good and safficient reason by resolution declare that they appeal case the Council may for any good and safficient reason by resolution declare that they appeal case the content of the council may for any good and safficient reason by resolution declare that they appear the council may be added to the safficient of the council may be added to the council may

9 Any person receting or placing any building or doing any set in contravention of any of the previsions of this By law shall be guilty of a breach of this By law.

Done and Passeo in Council this twenty sixth

as. Eb, K. Cox, City Clerk.

(SEAL)

WHITDELE A TICEN LAW NO 35, 1923.

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Forth July of the North Stakes-house Boss

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BY-LAW No. 47, 1923

A By-law to further amend By-law No. 25, 1917, (Luceuse By aw)

The Municipal Council of the City of Edmon-

ton, duly assembled, enacts as follows By law No. 25, 1917, entitled "A By-law to pro-

vide for the Licensing and Registering of certain Businesses and Occupations," is hereby amended as follows

- 1 By inserting after Section 8 the following sections

 8 (a) Upon receipt of an application for a
- heense to carry on the business of a sundry and for a transfer thereof, the inspector of laoenses shad notify the Medical Officer of Health of the application.
 - (2) Tipos receipt of such notes the Medical Officer of Health shall inspect or cause to be inspected the premises wherein the Isandry is proposed to be carried on with a view to ascerta in if the said previses and insplainces are saintary and for the purpose, of a Isandry and comply with the by least of he Cets into the said premise and insplainces are said as a superior of the complexity of the proposed of the complexity of the proposed o
- (3) No such liveose shall be .stued unless and until the Medical Officer of Health reports that the premises are sanitary and fit for the purposes of a loundry and comply with said by-laws and

of a bundry and comply with said by-laws and regulations.

8 (b) Upon receipt of an application for a brense to carry on the boxness of a public board.

ing or lodging house keeper or for a frausfer thereof, the Inspector of I recases shall not.ly the Med cal. Officer of Health an I th. Inspector of Bultinus of the application.

(2. Upon seecept of such notice the Medical Officer of Health shall inspect or cause to be in specified by premises when in the upo said proposes to cars, on his basiness with a view to accertain if the said premise as or in a castless certain the said premise as or in a castless to be usually supported by the first way of the assume services required by the fix way of the fix effectives required by the most shall

within four days rejort to the Inspector

(3) Using recorpt of such notice the Inspector of Buildings shall inspect such procuses with a view to ascertain if this section produced with the required five excepts and to other respects are in a cordinary with the actions of the City relating to the safety of buildings.

(4) As such beens shall be issued unless and unit, the shall ad offlier of Headth sports that the premises are in a suntars, consum, if fee from version and supplied with sessage services as aforesize and the Building Impletor reports to a such premises are engineed with the rogar red and premises are engineed with the rogar and such premises.

41 By inserting there's after Section 41 the following section

DEPISITIONS

41a. (1) For the purposes of this section 'Mastier' shall in an any person flire or corporation con locities or monitoring a shop for certying on the business of san lary plumbing, gas and steam filting or any one or more of them, and 'Journey nem' or 'Operative' shall jittini any workman engaged by or working for or with a "Master"

LICENSE

(2). No person or firm or corporation shall offer the passing of this By-law engage in or work at the business of sandars plumbing, strain or pass fitting unless such person, firm, or corportation shall first have obtained a three-unlesstang him or there to do so, either from the City or the Provincial Baard of Health.

PIRM OR CORPORATION

- The In the case of a firm or corporation the hereas shad be issued to any one sewher of the firm or in the case of a corporation, to the size agar there of or in accordance with the regulators of the Province all Board of Health, if any member of the liters or the massey of a corporation wishes to engage 11 act vets installing or creating the shall first abon in a thereto, any power of the corporation with the contraction of th
- (4) A Master's herms may be a combined II. Germs concerns plumbined as an it stars illustration or as one or more of them. No person, Brin or expansion of the superior of the superior of the superior of the superior of the full age of two thy one was the applicant is of the full age of two thy one whose behalf he is applying how a place of business with the full great place of business with the full great place of business within the full yell definition nor unless that states with the full yell definition on multiples that such work.
 - (5) A Journeyman's or Operative's license shall be a separate license for either plumbing, steam or gas filling.
 - (6) Any person desiring to follow, engage in

or work at the trade or operation of plumbing, steam or gas fitting either as a Master or Journeyman or Operative in the City of Edmonton, shall like in the office of the Inspector of Licenses an application for a yearly license, giving his name corneration for whom he is actual, such applieation shall be accompanied by proof that the ap-plicant is a qualified Master or Journeymon or Operative, and shall contain a declaration that he or they are willing to be governed in all respects by the rules or regulations which are, or may be adopted by the City and applicable to his particular case

(7) The Inspector of Licenses shall forward the said application and materials filed in supforward the same to the Board of Exam ners here-nafter provided for and the said applicant shall at such it no and place as the Board shall desig-sate, appear before their and submit to be exarmined us to his qualifications and competency APPRIAGATION MES

8) The fee for such application shall be \$2.00 and shall be deposited at the time application is made to the loyngeter of Licensey

BOARD OF EXAMINERS

(9), The Board of Examiners shall be entitled to receive such examination for as compensation for their services to be appropriated as the Board shall decide

(10) There is hereby created a Board of Examiners for Papinhers, Gas and Steam Fifters in the City of Edmonton, consisting of three memIterans, one shall be the holder of a Journeyman's leaves and the thirt's shall be the Plumbus leaves and the process of a specific state of the specific

(11) The Board shall appoint one of its members to act as Secretary, whose duty it shall be to keep all applications, records, papera and books which are required and to do such other work as the Board may direct.

(12) (a) The Board shall within thirty days after the appointment of its intembers, meet and organize by the selection of a chairman and secretary and they shall designate the time and place for the examination of all applicants for license-

(b) Each examination shall be in whole or in part in writing. If salisfied as to the competency of the applicant the Board shall direct the License Inspector to issue the License upon compliance with all the requirements.

(13). All licenses shall expire on the 31st day of December of each year. The fee for a Master's license shall be \$35.00, and the annual renewal fee shall be \$35.00, and who hecane shall cover only the actions or sections of work in which he applicant qualities in The fee for an Oberative's license and the renewal fee shall be \$1.00 per the applicant qualifies.

(14) Any applicant failing in any examination shall have the right to appear before the Board

at the next or any regular meeting to take additional examination if the Board shall so decide.

LICENSE MAY BE CANCELLED

- (15) Any becase berein provided for may stany time be revoked or excelled for incompetency, derelection of duty, in fraudulent use thereof, often a full and fair hearing before the Board and upon their recommendation.
- (16) Every person, firm or corporal on having a Matter's literate shall be responsible for all exists of their agents, workness or employees. Licensed Masters shall employ on). Licensed Operation and shall from time to fave send in the Inspector of Licenses, a written notice of all persons employed by them and the nature of the work such employees are engaged in.
- 117) An official first of the said Plumbers, Gas and Steam Filters shall be kept on file in the Office of the License Inspector for the information of the public during business hours and a copy thereof may be obtained on application in wristing to such Inspector.
- (18) For the purposes of this Ry-law the office of the Plumbing Inspector is duly constituted as the office of the Board of Health.
- 10) Notwithstending the provisions of this accitions on the receives far the year 1923, issued to Master, Journeymen or Operative Plansbers shall make the provision of the provision of the revealed as at issued mater the provisions of this section, but such accesses shall not engage in the bisusess of steam or gos filling until they are received in the provision of this Section and other processed under the provisions of this Section and

CITY OF EDMONTON 68 any fee paid by said present licensees shall be combined as paid pro tanto on account of the

fees payable under this section By-law No. 23, 1920, is hereby repealed

DONE and Passen in Council this Iwenty-first eav of November, A.D. 1923.

(Signed)

CHAS. ED. R. COX. City Clerk

D. M. DUGGAM, Mayor

(SEAL)

OTTOMRING REGULATIONS

300. Where the following expressions or words occur in these regulations they shall be construed in the manner bereamfler mentioned, unless the

context otherwise requires "Fixture" shall mean a water closet, sink, wash

basis both tub or other appliance connected

with the plumbing system.
"Sewer connection" shall mean that portion of sewer connecting the house design to a main sewer laid in a street. Plainburg system shall mean the sewerage

system and that port on of any water system essential to the operation of the sewerage system within, or in immediate connection with, any house and shall include the bouse drain and also any private sewage disposal system connected therewith.

'Master plumber' shell mean any person carrying on the trade or business of a moster plumber in the Province of Alberta.

"House drain" shall mean the pipe conduct between the borizontal sail pipe attasted outside the external wall of a bouse and the property line or a private sewage disputal plant

301 The council of every city town or village having a public system of sewerage in use or under construction shall appoint a plumbing inspector having quartications salisfactory to the Provincial Board

302 The council of every town village or muntripal district not having a public system of sewerage, but wherein any plumbing is in use or under construct on may appoint a plumbing inspector having qualification satisfactory to the Provincial Board

303. Every dealers for the installation of a

plumbing system in a bealth district shall be submitted to and approved by the local board of health of the health d street before the install ation is made. Any private sewage disposal avaiem included therein shall be of a type anproved by the Provincial Board of Health

304 The plumbing inspector shall examine every design for a plumbing system submitted to the local board of health and shall test all

plumbing within the city town, village or manleinal district for which he has been appointed plumbing inspector. The plumbing inspector shall report on all such systems to the local board of the health district.

305. Before a westien permit is issued by the local board or plumbing inspector in its behalf for the construction, alternion or extension of the plumbing system in a house or before any additions are made to said system (excepting pureyury repairs), a description of the work to by done shall be filed in the office of the plumbing inspector for the health district in which the construction alteration or extension la proposed. and no such work shall be commenced until such description shall have been suproved by the plumbing inspector

305. A written permit shall be aranted or refused by the local heard or plumbing in-nector on its behalf within a reasonable time after the receipt of the application therefor, and if grantof issue

307 All work done under such description shall be subject to the inspection of the plumbing inspector of the health district and no alteration shall be made in the scheme described without a permit in writing from the local board or the

303. All plans shall be insibly drawn in ink on trac og linen or may be blue prints, and shall he drawn to a scale of not less than eight feet to one inch. Existing work shall be shown in a different colour to that of proposed work

309 Every olumbing tospector shall attend and inspect all tests of work within his health district for which a permit has been issued in the manner bereinafter set forth.

310. The plumbing inspector of a health dis-trict shall be notified in writing by the master plumber executing work for which a permit bas been travel when such work is ready for inspection or lesting 311 All work shall be left uncovered and con

venient for examination until the same has been inspected and tested. If any such work or any portion thereof has been covered before being inspected and tested the same shall be uncovered by the moster plumber executing such work, and left uncovered until such inspection and testing are completed 312. The plumbing system and every addition

afteration or extension to any such as stem shall be subjected to an air or water test in the manner hereinafter provided, before the fixtures have been erected

313. The air test shall be applied by closing all open mgs in the plumbing system or part thereof to be tested by filling the same with air at a pressure of not less than five pounds per square inch. this pressure to be maintained for a period of not less than five minutes

314. The water test shall be applied by closing the lower end of the horizontal soil slack and all other openings in the plumbing system, and by highest soil stack in the house. Any part of such system may be tested apparately, but in such case the head of water shall be at least five feet above all parts of the part to be so tested. The water test shall not be applied in extremely rold weather unites the pressures are heated. 31 > With a sever days after the commission of

the work authorized by any permit the muster edutabet averages the same shall size notice in writing of the fact to the plumbing inspector of the health district in which the work is installed. Such work shall thereupon be subjected to a smoke test which shall be made by closing all mornings in and filling the entire plumbing sixten with smake injected therein by such sustable appliances for the purpose as the plumbing inapector may from time to time appears of under a pressure of one II such water column Provided that is the case of any addition afteration or extension of any system alreads installed for which a permit has been assed at the time of installation such smoke lest shall be applied to the whole of such plumbing system if such is deened necessary in the opinion of the nlumbing inspector 316 In making an air water or smoke test all

"M4 In making an air water or unoke test all openings in queen shall be stopped by proper testing plugs screw caps or other plugs, the use of wooden plugs, glaster of parts or other similar substances for its purpose is prob bited.

217. Are water and smoke lests shall be carried out by the master plumber, and he shall furnish all material appliances and labour necessary for the carrsing out of such lests. The said tests shall be made in the presence and under the

shall be made in the presence and under the direction of the plumbing inspertor. 317 (a) On completion of the plumbing in a house, the insister plumber shall file in the office of the plumbing Inspector a plan of the underminand nortions of the plumbing system. 318. The duly appointed plumbing Inspector within the beath district for which he has been opported, and evers person authorized by him for that jumpose, shall he ye power at all reasonable notice being zown and request under for that jumpose being zown and request under for that jumpose of any hinase or where it here is lienar installed or is, a plumbing visiting the control of any hinase or where it here is lienar installed or is, a plumbing visiting.

318. If after such impertion and tests as are provented the works ofted its found in hostelesses properly exceed a need in conform to with the permit or prin its issued in respect thereof, the planships superform shall if an respect thereof, the planship superform shall if an excurred by the master plansher executing such work issue a certificate.

320. The plumbing system of every house shall be separate and independent of that of any other house, and shall be so extended to the property of the property of the property of the posterior of the posterior of the posterior of the posterior of the pumbing systems to start of the posterior of the pumbing systems of the

20 to The planning tystem of every semidetached house or terrace bruse shall be separste and in rependent of that of evers other semidetached or terrare house, and shall be so extended to the proper v line.

321. The main horizontal self pipe shall be not less than fine no-bes Ind induster and the fall to the house drain shall be not less than a quarter of an unch per foot throughout the lends in the total unan horizontal soll pipe. If shall be ladd on a trench out to a uniform grade or it shall be ladd on a trench out to a uniform grade or it shall be penalsed, above the celler floor or it shall be received from the chall be called the total be shall be shall be to the control of the basement shall be used.

by heavy iron or sleel hungers as hervinafter provided. It shall be extended at least three fort outside the systems wills of the house before heigh supported to the house drain connection has house shall be exceted or but to ver the house drain connection.

222 There shall not be placed on the main horizontal soil pipe any n ain drain or other trap is obstruction which would prevent a free current of air patients through and not at the top of the vertical and that of the influence system.

222 (a). A clean out shall be placed in all cases of the max is bromely unit per a clean expension of the max is bromely unit per a clean out shall be extended in or above, the clean out shall be extended in or above, the clean out shall be preceded in the maximum of the clean out shall be placed at the most bloom the clean out shall be placed at the most life or of the house out constructed in which a wax that area necess on the dud to it. The mann clean that the clean out constructed in which a wax that per a necessary of the clean of the clean of the clean out that the period of the clean out of the clean out that the period of it the clean out that the period out the clean out that the period of it the clean out that the period out that the clean out that the period out that the clean out that the clean out that the clean out that the period out the clean out that the clean out the clean out that the clean out that the clean out that the clean out the clean ou

placed as to be easily uncessible. The first because in a non-horizontal will place from a next to all will stack or on a run water trap, whill be of the full diameter of the put stack or trap on which it is placed except where the still pipe or stack or trap is not more from the in diameter to which runs the riem from their in diameter to which runs the riem out shall be not less than from indiameter out which runs the riem.

323. A clean out fitted on a cast, ron pipe shall be leaded and coalleed into a fascet or hub. In no case shall a clean-out be fitted into a plain piece of pipe.

324. Every serewed cover on a clean-out fitted on a cast trun prize shall be made of brass, not less than one-eighth of an irch in thickness, and having a solid stylia'r or hrango'id nig not less then one-balf in b high, and of it least a diameter
of one inch, and shall be setsword and properly Biled and wade me tight. The threaded parts of threads of true nine size, measuring eight threads to the uch

22. Every cellur forming a mart of any house to which these regulations apply shall have a flow from surface water trains or rain water leaders or others pipes collecting or carrying surface water Where practicable the cutch husan true shall be played so that the water line to said trap is six inches above the lop of the main

326 2 h, arrangement of soil stacks waste and vent paper shall be as direct as possible. All changes in direction of horizontal pipes shall be made with "Y branches and one-systemth, oneeighth or one-sixth bends. 327 The sure of the main horizontal soil pipe

shall be determined by the total area of the house and payed surfaces to be drained thereby, acconding to the following table was

Diameter of Pine Acre to be Drained 4 arbes 3.106 square feet 5 inches 4.819 square feet

12,210 square feet. 10 nches

provided that the horizontal stack may be derrensed in dispeter after passing a rain water leader or surface infel proportional to the decrease in area drained and based on an assumed velocity of 3,150 feet per second in the wain horizontal soil pape, but in no case shall the main horizontal soil pape be less than four inches in diameter.

228. No lowerfed joint shall be used below my fixture. No connection to any soil, waste or year pure shall be made by horing or tapping the pipe or by a saidtle.

329. In every house where flatures are connected directly with the plumbing avstem, there shall he a main vertical soi, and vent lating pipe known as a ventilating stack which shall not be less than four inches in diameter, and shall extend from the main horizontal soil pipe to a noint above the roof of such house.

330. Every soil and waste p pe shall be of not less than the respective diameters set out in the

following table viz

Plps Diameter
Main voil sinck inches
Main soil sinck, where there are water

Main soil sinck, where there are water
clovers on right or more floors. 5 suches
Branch soil pape. 4 suches
Main water page. 2 inches

Wain waste pipe, where there are one or more sinks on five or more floors. 3 inches

Branch waste pipe for a sink bats or laundry lub.

Or where set in ranges of three or more 2 inches Branch waste pupe for o wash basin. 15 juries

Branch waste pipe for a wash basin 1 % inches Or where set in ranges of four or more 2 suches Branch waste pipe for other fixtures 1 ½ inches

Branch waste pape for other fixtures. 1½ inches 331. A sank waste pape shall not be connected to a closel bend or other branch waste pape, but shall connect directly with a soil or waste pape Every horizontal a.nk or laundry tub waste pipe over five feet in length abult be constructed of iron pipe and be provided with a clean-out suitable phosel and early accessible.

332 Every soil, waste and ventilating stack and pipe shall be constructed of cast iron, galvanized wrought iron, galvanized steel, or brais pape, except as provided in the next sacceeding assition. Every underground soil waste and well pine shall be of cast one.

38% A hranch waste pipe (except a sink or handry tab worke pipe) and a ventil-flag pipe not exceeding ten feet in length may be constructer of lend such lend pipe shall be of not less than the following weight in proport on to the length;

Humeter of pipe Weight per linesi gard
1% inches 7 pounds
1% inches 9 pounds
2 inches 12 pounds
4 inches 24 pounds
334 Every soil, waste and verillating pipe

334 Every soil, woste and veril. along pipe shall be located mode the premise, and that had been placed inside the external wall of a frame belowing and every teramin of s it is pipe shall be located not less than ten feel horizon tally task door or other opening divice in the building and shall not be besided clear than ten free to the stoperty line of any house.

\$25. Every terminal of a nail waste or vental applied of bree arches, four inches or five inches shall be nerrased one inch in diameter and each under three inches shall be increased to four inches before passing through the road, by seems of an ancreaser which shall conform a serany as possible to the pith of the road, and the pith of the pith of the road, and the pith of the

shall project to the outer are not less than one tick and not more than their interfers alone the end and be made availability of the mount of a load flashing. All load out for their supprises shall load flashing. All load out for their supprises that and shall be associationer and into the boll of the interfer are it team on the first of teach that for in his of excercible mount in the other state of the supprise of excercible projects with of the or taken and red lead in the halt thereof. 335 flavors sected also keep lips shall be

greports, supported at its base and at interests not greater than is not the feet. Every housaon tall east it in page 488 the supported it interests of not house than the feet to evoper east trons wrought irron to steel ip its hargest or more into herch piers. Every horizon to lead page shall have ordinations support the subjust its entitle freath and every determining the subjust to entitle freath and every determining page 4841 have

supports at oil rack of not more than ten feel. 337 Aver, though or indict is the plumbing two tem shall be separately and offerhably trapped by a water sealing feep plumed as near as possible to the outlet of the fixture in micross shall a trap to more than its cleen distant from such outlet and every flow of rain from a laxibity or hatches shall do begreen over a catch basin from.

shall discharge over a catch basic trap.

338 I very fixture and floor drain trap shall have at least a one and one half inch water and

have at least a one and one half such water seat and shalf be set true to its water level. 339. The it where from a fixture shall not pass through more than one true before reaching

the soil pipe

340. Evers trap whall be of the same size as the

348. Evers trap shall be of the same size as the size of the waste pipe to which it is to be attached and shall be properly supported. 341. A treat horn on an earth-owner tran shall

not be used

342. No trap texcept an earthenware trap) which deneads on an interior partition for a

343 Every trap on a fixture (except an earth-

enware trup) shall have a suitable means of access for cleaning surmoses

344 Every fron trap for a rain-water leader and for cellar dramage shall be not less than four size of the cars water carder and shall have a seal of not less than four meles

36a Every clean out on a had from shall be wiped to the trup. The threaded parts of a clean nel fitting will have not less than five threads of a guare edual to vision thronis to an inch. every part of a cutar out shall be not less than

one-eighth of an mich in thickness

346 hears wast pipe from the hitchen sink of an hotel rating house, restaurant or other s solar establishment shall be connected to a g case 'r p which shall be im, evenus, constructed of seas and so placed as to be east a accessible to for the nations of being opened and cleaned

347 Evers waste pipe of sus fixture got in regular use shall be kept effectually plusted

348 Whenever any plumbing system, or any part thereof is altered or extended every dead end or unused pape shall, as for as practicable, be removed and the open age and connections closed by plugs serveril raulked at soldered in

349 When a so I or waste name is placed in any house, for ful ire use, the necessary ventil-ating pape shall also be put in at the same time and the whole work shall be tested and inspect use I very open ng in such pipe not in use shall he closed by a play, screwed coalked or soldered ip

130. No waite pape from any refragerator, each storage or other reception in which food staffs are hapt or shored staff the connected with any paper staff of the refrageration of the staff staff s

351 The waste pipe from a water filter gas senior soft water lift or air compressor shall not be connected directly with any drain soil or other waste pipe but shall dividing 10% an open fitture or floor fitting proper's temped.

332. Every ore flow pipe from a lank shall disharge into a properly trapped fixing having a waste pipe at least equity of dissection to nove flow pipe or roto a floor cas's basin. Ever emplying pipe from a tank shall discharge in the same manner as required for an overflow pipe or it may be connected with the overflow pipe.

353. Every waste pipe from a detailing four tain and soch water fountain shall be separately trapped and shall discharge in a import litter or flaor drain properly trapped provided that in cases where two or assert flatters are connected as a waste line the said waste line shall be extended as a verit through the root of the house

334 Every bar fixture shall be separately trapped and aball discharge into an open fixture or floor drain properly trapped, the waste pipe being extended as a vent through the roof of the bouse

extended as a vert through the roof of the house 355. No drainage from a garage shall discharge directly into a soil pipe, but shall discharge into a cotch basin of proper dimensions. The discharge page from such earth basin may be connected with the soil page and shall, where necessary in a public garage, be provided with such traps, or other fixture, as may prevent the ingress of gasotine or solid matters into the soil nice

356 Every fixture shall be projected from explorage by an onti-explorate per a trap with a year pipe. Such a year pipe shall be construct ed according to the following table.

Dated Max Length % and sizes of prays that max pipe of pipe we vested thereby a in 21 ft 1 trap of the control in dia

A in 21ft I trap of the in to 2 in its dia Lyin. 25ft I to 3 traps of is to 3 list or dia

" " to a trapmer our to a lin in the

4 a 240 ft 16 or more trapa of 2 to 4 in in dfa.
Pour traps of 1 q or 1 q inches in diameter shall

he considered equal to one trap of four inches in the neter.

Where a yoke vent is used not more than three

variety a your vent is used not user than three traps shall be inserted, on the your without an ottersecting yent pipe, and the vent pipe at end of line shall be taken off between the last two lixlate fittings.

507 Every offset on a ventilating piec shall, where practicable her ande it no angle of not less than forty dive degrees to the horizontal and every ventilating piec shall be consected at the hottom with the soil or wist; pipe its wich a manner as to prevent the accumulation of rait soils. Every larnach ventilating pipe shall be kept above the loop of the fixture which if servers or he countracted in such other manner so no to prevent its outs of the state of the state

3.8. A vent pipe shall not be necessary (a) Where the true for the usuer fixture on

a stack is not more than three feel from such stock and the connection of the three inches below the water level of the

(h) Where only one water closel is connected with a stack and is located not more than three feet from such stack.

(c) Where two water clusels are located not more than three feet distant from the alack on the same floor and discharge Into a double "\" branch and no other water closel discharges into the stock above such double 3 branch. 359. Every vent or anti-syphon pape small be connected to the waste p or as close as possible

to the outlet of the tray and in no case shall it be more than twelve inches from it, and such prine shall not be connected to the crown of the trap. Vent pipe shall, where possible be constructed on the continuous vent or voke vent principle 360. Every year or anti-syphon pine shall be extended through the roof or may be connected

to a soil or waste gipe at a point above the highest fixture connected therewith 361 Every fountain cuspidor shall have an

mble symbol tran located as close to the fixture as practicable. The waste pipe from such fixture shall not be less than one and one-quarter inches

in diameter 362. Every cast from pape and filling must be frue to standard, sured, free from cracks, sand holes, blowholes and cold shats. No filling with metal, cement or other material or burning of

fron shall be arruntted.

The inside diameter of the burrel shall not be more than one-cightin of an inch less than the incrual size of the burrel. The wall the knews shall be unifor it showing no greater variation than 1-32 inch in extra heavy weight pipe and 16 inch is medium weight pipe and at high and spipol ends shall present a true circle.

The hore shall be smooth free from fins ridges and addresses sand and except for unavoidable reconstraints the full apparent bore shall be main

The iron used in its construction shall be of such a quality as well ad not of easy ceiting with the or chine! Every pipe and filting shall be boroughly realted invoke and outside with coal are pitch or of and also have the anoung structured name or fractionaria affaced and with the national weight or extra heavy clearly stamped on high

303 Every wrought from and steel pipe shall not be less than the numerical weight per lineal fact set forther the ful away table.

D aspeter of Pape Weight per Lineal Foot

1½ inches	2.68 pounds
2 inches	 3.61 pounds
2's arches	5.74 pounds
3 inches	7.54 pounds
3 % anches	9.00 pounds
4 Inches	10 66 pounds
416 inches	12.49 pounds
5 inches .	14 58 pounds
6 inches	18 76 pounds
7 inches -	23,27 pounds
8 inches	28 16 pounds
9 inches	32 78 pounds

364. Every wrought tran and steel pipe shall

10 inches

be advantated inside and outside. Every fift not for a wrought root or sleet vert pipe may be either a cast or malerable root steem or water litting, every fifting for waste or zoo, pipe or rainwater teader shall be of beavy cast, root received and threaded formage fittings, with smooth increase water way, and threaded to give the control of the con

366. Every brass pape used for a soil, waste or rest pape shall be thoroughly anneaed, sennius, drawn subing having not less than the outside diameter, weight, thickness and grage as set forth in the following shale

Osmeter of pipe	foot	'in seches	Imp. wire gunge	Sharp
. % Inches	0.88 Don.	1-16 In.	18	14
116 inches	2 96 Tbs.	1 15 Sm.	16	14
2 Inches	1 54 Jbs.	1-16 in.	16	14
2 % inches	2 82 lbs	7 64 in	12	4.0
3 Inches	3 41 Jus.	T-44 In.	12	10
4 mones	6.74 lbs.	1 8 sm.	10	8
6 faches	7 22 Ibs.	1-8 Sm.	10	
6 inches	£ 71 1be.	1-8 in.	10	8

368. Every lessa pipe used for an oulset from a fixture occurrol on pipe, fixen pipe or say part of a waste pipe on a local side of any trap shall not less shan a fix fixture large or 14 Brown & Sharp guage, and every tee, coupling and fitting on such pipe shall, be heavy cast brass with iron pipe or standard beas threads and or every such efficient and the standard beas threads and every such

waits of not less than twice the wall thickness of tube specified in table of booss pape sizes.

367 Livery cast brass drainage filting and cast brass free plastile breezesord and of first quality brass awaing a smooth interior and thickness in their walls of not less than twice the wall liver ness given in the table of brass pipe a zos. Tenreversed prixt or sockets shall be at less to make the cast distribution of the filting of the filting.

368. Every brass pape fitting with screw joint connections shall have not less than the following number of threads per inch and number of inches threaded.

	f threads ir inch	No. of inches threaded	
1% inches to 2 inches	20	to Inch	
23s inches to 3 inches	12	% mch	
4 inches to 6 mehes	12	1 inch	
369 Every connect on	aetween	a brass pipe	

and an aron p.pe aball be roade by a brass threaded bushing with a standard from p.pe thread outside and a standard brass pape thread nuclei, and every brass fitting and, trap shall have logibly alonged on it in a conspicuous place the name or trademark at the maker thereof

370. Every brass supply pipe shall be of tron pipe gauge and at, threaded connections on such pipe shall be of ron pipe thread for same are of pipe and shall be tapered. In no case shall a slip, ount be made on water supply pipes, except directly at the funcet or bibb. The diameters and weights per lawed foot of all beass tobing used for this purpose shall be not less than is set forth in the following table

Diameter	Pounds per lineal foot
% mch	62 pounds
to meh .	90 pounds
% cuch.	1.25 pounds
1 iach	1.70 pounds
1% inch	2.05 pounds
15 mels	3.00 pounds
2 inch.	4.00 pounds
24 inch	5.75 pounds

371 No slip joint or coupling shall be used for a connection on the sewer side of any trap, 372 Every brass capturing fetrule shall be of

east or drawn beast, not less than four sod onehalf inches long and nevegible of an neb thick, and shall be free from sand holes and o her directs and shall be recessed for a depth of therequarters of an inch like recessed portion to have an insuler husoter not less than one-quarter of an inch greater than the size of pipe to which it is to be connected.

373 Every solder ag nipple shall be of heavy brass, having hexagon shoulders and be recessed for tead pipe,

374 Every joint between lead pipes or between lead and brass jupes or trajus shall be a wiped solder joint. All wiped joints shall be fully wiped plimbling joints not less than two inches long or cept in the case of floor or wall flange joints. Every joint between an iron and a lead pipe shall be made with a brass solder nipple or ferrule.

he made with a brass solder nipple or ferrule. 175. Every joint on a cast iron pipe shall be made with picked oakum and molten lead, the lead to be not less than three-quarters of an inch

lead to be not less than three-quarters of an inchdeep, thoroughly calified and made gas and water tight. Every joint on a wrought iron, steel or brass none shall be a screwed must made up with a paste of red lead or other suitable substance and shall be made gas and water tight and the burn formed in culting shall be carrially Fremed and

- 376 Every fixture with an eartherware trap connected directly with a soil of waste tope, shall have a solid brass plate not less like: three-aixteenths of an inch thick secured to the lead bend or pure and screwed to the Poor where Roor is made of wood. Where bruss or from other is used the floor plate shall be accessed to the none and to reflect case the floor plate shart he bolted to the tran flance with brays belts and only. The moret shall be made tight with an intention arathe He ring or with red in white lead of the proper consistence or with a met of screw sourt. In wonden that construction the engage on hetween the earthenware and soil pipe shall have a suitable senath of lead provide between the wood noted and the under side of the floor
- 377 I very fixture other than a water closet or climic with shall have a strong metallic strainer or pur over the nullet to prevent the obstruction of waste pipe.
- 378. Every water closel shall be fitted with either a syphia discharge Push, or pressite lank. or automatic floshing valves of a design satisfactory to the Provincial Board of Health. The copper by no of every flush took shall be of not less than ler owner copper

379. No pun volve plunger, washout, latring or trough water closel shall be used

380 Every fix our shall be set open and free from all enclosing woodwork

381 No local vent pope shall be connected to a many local vent nine at any north below the level of the local vent pipe from the highest compartment in the house connected with such main local vent pipe.

342 In every house where a water closel room

is partitioned off from a room used for other purposes the partition between such rooms shall be extended to the caling or he celled over, and such partition shall be reasceastly are ight

20.3 here was released or union room shall open to the of early stream of a window or skylight favour, as more or of not less than one-tenth of the total flow system (the town in which any such flature is installed, provided, however that in no rase what when he window o was light hive ni area of less than 10 stages feether and at lead to per cent of the area of sixeh window or skylight shall be made so that it can be easily opened.

ta) Provided further however, that where it is not possible to lead as webove or whight as no possible to lead as webove or whight as no possible to lead as web per constructed of metal paging. Such heard over pipe shall have a military of the lead of the le

384 No water closed or urinal shaff he located in the sleeping spartment of any house. Every room in which any such fixture in installed shall be separated from all other rooms and hallways by a substantial and reasonably air-tight partition extending to the ceiling.

385. No water closes or urinal shall be placed in the cellar or basement of any house unless such cellar or basement has a cement up other floor impervious to moistaire and is well lighted with natural light or is well manifained with artificial table and has easy ments of access.

386. Every tank for storing water intended for dranking or cooking purposes shall be covered so as to exclude dust and shall be so located as to prever the water contained threes from being routsumated by ges or odors and shall be provided with mirans of access for releasing puposes. Every such cover shall be of metal and tash fitting.

ugan stime.

387 Every aronal installed in any hotel radiroad vision hospital threater, public rebool, gubic nettration on foliog sphouse shall be of viriethed eartherware of the integral staff type only. Every staff of the control of the control of the conflower and the walks for a height of fine of the four-and the walks for a height of fine of the walkshall be guided to the trough it is the urmal Every urmal shall be fitted with an automatic flush box in a regarded as to dashbaye at interval.

of not less than len minutes.

388 Wonden bight, with tube, sink or metallined wooden fixtures shall not be connected to any plumbing aystem

MRs. No rain-water leader shall be used as a sol, waste or vent pipe, not shall any soil, saile or vent pipe be used as a rain water leader. Every rain-water leader inside any premises shall be ronstructed of cast arm or galvanized wrought rain or safely pe with road connection made gas light by means of a heavy lead or copper drawn thing, when of a work and or copper drawn.

water leader shall be trapped before being connected with the house drain. Any form of construction silowing cowner, slowe or brick to form a seal or trap is hereby probabiled.

238. No steam exhaust pipe, boster, blowed or drip pipe shall discharge directly late a soil pipe. Lever sairly pipe shall connect to a concept to the soil of the shall connect to a concept to the soil of the shall be possible with sairly a single secretary pipe period with sairly a single shall be porrided with sairly a single shall not pipe and shall be provided with sairly a shall not pipe and shall be provided with sairly a shall not pipe and shall not pipe to ord next botter countreld with sairly shall not pipe to ord next botter countreld with a cooking range or they presume bending system concept with a woll pipe.

289. No gast or back where valve shall be pipe.

ed on any soil pipe in such a manner as to inferfere with the ventilation of the plumbing system Every core on a back water valve shall be bolled or screwed, no "lugged" rover shall be used

391 Every ejector sump tank or other receptacle constructed in any house for the reception of sewage or drainage shall be constructed so as to be neither a missaur nor a menare to bealth

20to Every waste pipe from a laboratory sink or any vision. Of stature into which considerable quantities of ared is decharged or deposited shall be provided with an act of undifficient from and the percentage with an act of undifficient from an of the provided with a result of the color of

acid waste pipe shall be extended to the owiside of the building at its upper end.

592, All work in connection with any plumbing system shall be executed in a thanough and workmaniske meaner. All faulty or defective new work shall be aftered to conform with these resultations.

3920 The plumbing inspector of every health discrict or the local burst of health of every health district shall, when he or it, becomes a ware of there heang a fout yor of deference old plumbing system, installed are connection with any house require the same to be entered to conform to the ergulations. Notice may be given by deliver, no or mainly the same by regulation and to report the same by regulation and to go mainly the same by regulation has to compare the same by regulation than to any other than the same by the same has to be supported to the same by the same has to be supported to the same by the same has to be supported to the same by the same has to be supported to the same burst of the same has to be supported to the same has to same the same has to same the same has to same the same than the same has the same than the same has the same than the same has the same than the

393. The plumbing system in every heate shall be maintained by the owner at all it not in good we king condition and in conformity with these regulations. In the event of any defect heigh discovered in such system the same shall on the order of the plumbing impreher or the local board of the health, dirtich, be all once made good.

394 Should the plumbing inspector of any health district refuse to issue any permit required by these regolations, the appleant for such per til shall have the right to appeal from such refusal to the local hourd of braith

393. Such appeal shall be made by the applicant Sing a notice in writing specifying the grounds of such appeal within seven days interest such refusal. Such authors statil be filled in displaced, one copy with the local board of bealth and the other copy with the plantalum imperior. The sald local board of health shall, within seven days from the recept of the application decide days from the recept of the application decide.

the matter and may direct the plumbing inspector to issue a permit to the applicant.

396. The plumbing interests of every health

390. The plumbing imprecion of every health district shall examine and test the plambing system.

397. The house drain from a point three feet

outside the house to the sewer at the boundary line of the street or to a private sewage disposal plant shad be of first quadity sale-glosed, vitrified, eartherware pape or other pipe approved by the Provincial Board. The interior of same shall not be less than four unches, in diameter.

398. The pipe shall be laid on an even grade of not less than one in forty for a four-inch pipe and one in seventy for a six-inch pipe.



BY-LAW No. 20

(With Amendments to Man 31st, 1923)

A By law Respecting the Installation and Use of

Electric Current The Municipal Council of the City of Edmonton.

duly assembled, enacts as follows DEFINITIONS

1 (1) "Electric Signs' shall mean: rg. Signs having all or any part of the letters of

which such siens may be constructed in an outline of electric lamps.

(b) Signs having transparent gloss illuminated with electric lamps

lined by electric lamps.

ed. Signs illuminated at night by the reflected light of electric lamps.

(2) The words "City blockrician" or "City Flectrical Engineer" wherever used in this Bylaw shall be construed to mean and include the Superintendent of the Electric Light and Power Department, of the City of Edmonton, (1922, Bylaw 29, Sec. 1)

(3) The word "Owner" wherever used in this By-law shall be held and construed to mean and include every person using or operating electrical equipment subject to inspection under this By-

(4) The words "Electrical Ecuspment" wherever used in this Ry law shall be held and construed to mean and include any electrical wires, app.tances, apparatus or electrical construction of any kind whatsoever, installed or used in or on any building or structures, in the C.b. of approved by the (11) I betrician

Edmonton (5) The word "Approved" wherever used in this By law shall be held and construed to mean

RULES. NATIONAL EXECUTION CODE.

2 (1) The rules for governing the installation of electric wiring and apparatus and electrical material and which are hereby approved by the known as the current edition or current amend-ments or affections of the Sational Electrical Code as recommended by the National E.ce Profection Association together with and in some visions all of which are hereby enforced. INSTRUCTION BULLETING

(2) In order to ensure a uniform interpret-

stop of these rules and to provide for special coudi Line the City Fleetracies, shall have the power to decide and define the technical details for satisfactors and safe electrical installations. He may from time to time type such samed inattractions as he may regulder percental to explain these requirements and all work shall comply with soil regulations.

The regulations so issued he the Cits Electrical Engineer from time to time shall be deemed to he part of this by-law and have the same force and effect as if contained becein 11922. Ny law

No 8 Sec 2)

J (1) No new electrical installation or afteration or addition to existing ones shall be undertaken by any person other than a contractor or a journeyman duly licensed under the provisions of By-law No. 47, 1921, re-numbered as By-law No. 3, 1922, and then not until a persut sufficient ling the work has been obtained in writing.

APPLICATION FOR PERMIT

Application for such permit shall be made to the Cat's beforeign in writing on the regular approved form and if required the applicant shall furnish plans for the proposed sering and a spot of specifications arising location etc. I posrecept of such application and upon participation of the fee hereafter prescribed, if approved such permit shall be given.

INSTALLATION WITHOUT PERMIT

(2) The set of installing electrical wiring flums, appearable ethic and and to see existing prior to the issuance of such permit. The Catalliprior to the issuance of such permit. The Catalliprior to the issuance of such permit. The Catalliprior any refuse in course a permit of the person applying for same has neglected to carry out the provision so of this by law.

Notes when provide not city. ELECTRISTICS, and 'The city Electrical in herical responses of the city and the

of this By-law order and compel the entiting off and stopping such current until the provisions of this By-law are fully complied with

(3a) The provisions of the previous sub-section (3) shall be construed to mean and include the poler, wire, cables and other electrical apparatus and alleed defacts owned and operated by the City of Education and as represented by its various deparaturals.

(36) The City Electrical Engineer is hereby empowered and it shall be included in his duties to also deal with the following matters

Nupervise and, nake provision for the joint use of poles to the five Electric Light, flower Telephone, Street Balway Police E re and other Departments, plan and supervise the general lay-oid and deve lopiced of an electric feeder existent general for the control of the contro

BAD WORKWAYSHIP (4) Work badly stranged or moorly executed

will not be passed even if the materials, etc., used be sullifactors

e sallsfactors

MAN ENTER ON PROPERTY TO INSPECT

(5) It shall be lawful for the City Electrician

tal it share to askin the investigation and proportion of training subject to the regulations of the 8t-iess, for the purpose of inspecting or relispecting the sering or approximation proposed to specifying the sering or approximation proposed subject to the purpose of the purpose of the conditional proposed to the proper working of any meter. No person shall moleculculation of the proper working of any meter. No person shall moleculculation of the proper working of any meter. No person shall moleculculation of the proper working of any meter. No person shall moleculculation of the proper working of the proper working of any meter. No person shall moleculculation of the proper working of the proper wore or other person acting in aid of such City Electrician in the discharge of his duties under this By law

INTERFFRING WITH WIRING, ETC. (ii) No person shall cul, damage or interfere

with any electric wiring that has been inspeciel and accepted by the City Electrician or his in special and accepted by the City Electrician or his in special, nor that II any person bring or lay any woodwork, brak metal or other work in contact with any electric wiring or leave some in contact with any electric wiring or leave some in

RESPONSIBLE 1900 IT TO POSPECTION (I) The Educate Contractor shall be entirely

responsible for the condition of wiring until same has been approved and accepted by the City Electrician

21 HOLDS NOTICE FOR INSPECTION (8) Cunicactors, withmen or other persons

learing to have an installation or portion thereof inspected shall give not less than twenty four hours notice in writing to the Gily Electrician COVERING UP WIRING WITHOUT INSPECTION (9) Every period i who shall ever up from ties by lath not hearding or other material, any wiring that has not been inspected and accepted by the City Electrician shall be liable to the penalties of this By-law. The City Electrician shall have nower to remove any much obstructons which may prevent p rfect inspection of current currency conductors, such as lath, planer, boarding or partitions and the person who shall may covered up same from view shall also be resurred to may all costs or repair any damage that may be caused by removing such material. The above conditions shall also apply in cases where the City Electrician may suspert that an attenuet is being made to defraud by interfering

with the neaper working of any meter or meters.

chided.

CANCELLATION OF PERMITS

(10) The City Electrician may cancel any permit if active work is not commenced without ninety days of date of permit. The City Electrician may refuse to issue further permits to any person who has not satisfactorily completed the work covered by any previous permit issued to ben.

TEMPOBARY WORK

(11) In regard to temporary work the rules for permanent work need only he so far observed as to effectually guard against shock and fire.

Ten porary installations may ue authorized as writing for a period of thirty days and may be renewed for a further period at the discretizar of the City Electrician. Each case to be freath on its nervits and the furties of the period over which the permit shall extend will be regulated accordingly.

PEES FOR ELECTRICAL INSPECTION

SEPARATE PERMITS

4. (1) A separate permit is required for earlields of work. Installations supplied by different service wares or different moin entrance switches require separate permits. In every case filting permits are to be separate from wiring permits.

INSPECTION OF FITTINGS

(2) Only one inspection will be made on each
fitting permit

permit

COUNTING OUTLETS
(3) Switches are not counted when estimated permit fees, but all other pullets are to be an

ALTERATIONS AND MEYER LOOPS (4) To alter or repair electric waring, filtings and other apparatus or for new meter loon each nermit

(Applying only to existing installations and where no additional pullets or loads are

ndded ! NEW WHEING AND ADDITIONS TO WIRING ONLY (5) 1 to 180 outlets, per outlet All over 100 outlits (10) and up) per outlet .01

(No period assord under this clause for ess than lifty cents)

FUTUNGS (6 1 to 50 fittings, per fitting . All over 50 (al and un) per fitting

(No permit issued under this chaise for ens than twenty-five cents)

(7) Each sign, decorative or outline lighting ios allation Each add tional auto on the same permit. 50

MOTORS OR GENERATORS (8) One protor up to and including 5 h p. 8 One rutor over 5 b.p.

Each additional motor on the same normal HEATING OR SPECIAL APPARATUS 19 For each electric range and for each complete installation of redutors, loundry

bruting equipment, medical, photographic, moving pacture machine, ares or similar succ al apparata

EXTRA VISITS 10) When extra visits are necessary

rither through faulty work or under any conditions where the City Electrician is saisfied that reasonable care has not been exercised an extra fee may be charged.

TEMPORARY PERMIT

(II) For temporary permit of any kind, each persuit .50

SPECIAL SERVICES OF INSPECTOR

(12) When the scrulers of an inspector are required for arbitration, testing, reportang on old Installations or similar work at parties, the fee per hour or fraction thereof shall be

CONDUIT WORK

5 Metal conduit work shall be used for all installations as hereinafter specified (Approved metal molding will be accepted if installed on the surface with approven fittings)

PERST CLASS PIRK LIMITS (1) All electrical work in new buildings inside the first class fire limits.

PEREPROOF BUILDINGS (2) All buildings which according to Gily Building By-law are remained to be of full fire-

proof construction 220 VOLUE (3) All waring for 220 volts unless entirely

concested.

SERVICE ENTRANCE WIRING

(4) All service entrance wiring from point out-side of building to the interior of metal box contuining main service switch and all wires from same to load side of mele.

EXTERIOR WIRING

(5) Wiring for signs or other exterior lightin except for serial lines where not in contact with sign or building.

TENTS (6) Wiring in tents or buildings with canves roofs an drep cords will be allowed. Jappne must be controlled by a porcelain switch on wall or flush switch with plate grounded. Moter to be protected from possibility of moisture reaching same

ALTERATIONS

(7) All alterations and additions in any buildin, 3 far uded in the cradial class shall be made in approved rigid or flexible in tal conduit or netal nodding. Except that the far Electrician was wave the crould i times for buildings of a temperary instance where he considers the conditions warrant some.

WIRING EXPOSED

the banesed surface warring in the following

buildings in any part of the fift to be wired in conduit. If n it included in the regular conduit class usely mixing shall be exempt from conduit or nestal modeling when critically excluded as con-calcuknob and table work and then ratterly excluded by sheeling platfer or other approved means, viz. Huistings other than an invitate readment design.

consequences to the above feet of the decign and a seek stable are builtings or outlanting a half designed for use as a hour-h public meeting counts, shore halfs or sam far public gatherings. Buildings used for handling or threade of points oil and or gas line or where stunking hardness processes are aserted on elevator that's, any buildings on the stable of the stable of the stable of the stable of the hilledge to be subsect to status or all distributes.

GENERAL.

APPROVED MATERIAL

6 (1) All material and apparatus shall be subject to the approval of the f day heerirelan unless specified in the "last of approved electrical filtura" published by the "vational Board of Fire Luderweiters.

surrent

UNDERGROUND FREDS IN PIRST CLASS PIRE

(2) All buildings having basements aftuate within the First Glass fire district shall have the main service feeders so arranged that connection can be readily made between same and the underground light or power service were that may beceative rules used in the manual statements.

METAL BOXES (5) All cutouis, fuses and knife switches must

be enclosed in an approved metal box equipped with metal door or initial lined cabuset except on regular switchboards in suitable locations. MOX.LOPIG. (6) The use of-wood moulding is not permitted

(6) The use of-wood moulding is not permitted MOTOR ACTO, STARTERS (5) All A.C. molors larger than 5 h.p. must

be equipped with an approved starting device for limiting the current.

OBSTRUCT NEAR SWITCHBOARDS

(6) Passageways around awitchboards, motors
and an other superglus must be knot clear of any

and silvilar apparatus must be kept clear of any obstructions.

(7) All those parts of premises combining elec-

trical apparatus requiring allention while in operation must be adequately lighted DANGEROUS APPARATES

(8) Suitable provision must be made to prevent unauthor-ran persons from having access to electrical apparatus that might prove hazardous to life, e.g. transformer rooms, switchboards, etc.

ete REPARRS

(9) All electrical installations must be kept in
proper working condition and repair or else permanerally disconnected from all source of electric

VOLTAGE DROP

(10) All interior installations must be wired

with copper wire of such size that the voltage drop to any light or appliance with all lights or appliances, no set shall not exceed two per cent. The voltage drop to any motor with all motors in use shall no exceed five per cent. The load on existing wring most not be increased so that the voltage throu exceeds these amounts.

For violation of this clause the City Electrician may disconnect the installation from service until the necessary changes have been made to his satofaction.

FIRE, LIMITS (11) The fire hards for the purpose of this By-

law shall be as defined in the My laws of the (ty
of Education

CERTIFICATES OF INSPECTION

7 The City Libertzerian was more in certificate of imprection on an instrusions after he shall have statisfied himself that all construct on and material is in accordance with the cides und regulations for imple is part of this By law and after pax sint of fees hereal-force prescribed Sark verificate whad give the date of said inspection. The right is reserved to have service rounceled and current morrel on before son an excitation of inspections. The right is reserved in considered acceptance.

OTHER BY LAWS

8. If in any section this lively whall apparently conflict with any other By-law of the City of Edmonton then the intent and purpose of this By axw shall be enforced.

DONE and PASSED at Council this thirtieth

day of November, A.D. 1917 W. T. HENRY,

CHAS. Fo. K. Cox,

(SEAL)

hereby cancelled

ELECTRIC LACUT AND DOWNER DEPARTMENT

INSPECTION BULLETIN No. 1 (1922) ELECTRIC WIRING

(Amended Musch 9th 1912)

This bulletin is issued by the City Electrician of Edwanton, Alberta, for the information of wire new confractors and others to order to enbere'bt enforced, ie ig in arcorduce with clause 2(b) of the Electrical By-law No. 28, and supple-

mentary to that By-low, which also see for general miles and information. All previous halleting are OUTLETS FOR CIRCUIT

MAXIMUM OF PLEASE SHARE CHICKET FOR NEW WIDING

t The following feet is the maximum number of ontfets which will be allowed on one circuit

for the classes of work spec fiel If the number of orders berrin specified would cause the known load of any such circuit to ex-

coul the wattage allowed by the Vational Electric accordingly

2 Or if at any later period the load exceeds the allowable amount then the wiring must be

changed to reduce the number of outlets ner cir-CONCEALED WIRING

3. Within First Class Fire District (a) Applying to those sections of the wiring as berein specified ceiling lights of any portion of the buildings which could be used as public meeting halls, churches or public stores, and display windows, showrooms, cafes, pool rooms, and similar business with public space, Two (2) outlets per elreuit.

(b) Same classification as "Clause A" in all other fire districts.

Five (5) autlets per circult.

The following apply within any fire district (c) Wall plugs in office buildings one (1) plug

outlet allowed per circuit (d) Private residences, bedrooms in hotels and rooming houses, warehouses and factories (ex-

cept office port on) build age or portions of build-ings not specified in any other clause herein,

Ten (10) outlets per circuit. (e) Show windows. Each window to be on a separate circuit.

(f) Show window in outline work only or interior decorative lighting.

Twenty-five (2.) autlets per circuit. (g) Exterior decorative lighting and signs, Sixty six (68) outlets per circuit.

SPECIAL CONDITIONS ...

4, Any special conditions not covered by this lot shall be subject to the decision of the Chief ..., same we suspect to the decision of the Chief , aspector who will give a ruling according to execumstances and leased on the National Electrical Code.

SERVICES AND MAIN SWITCH

LOCATION AND DESIGNE OF SERVICE OUTLIESS 5 (a) All feeds must be brought out of building at the nearest accessible point to the perried up to a height not exceeding twenty-five feet from the ground and completed with an ap-proved type F, condulct. (b) In case of low buildings the point must

not be less than twelve feet from ground and a solid bracket or support must be constructed for the service wires whenever necessary. This will be considered as part of the wiring and the Eletrical Currentor is responsible for the completion of this portion of the work before the job can be usuad by the Inspector.

(c) The exact location of lighting feed wires for buildings confaining twenty or more outlets and the location of all three phase power feeds must be deterained by the Inspector

(d) For location in the First-Class Fire Limits see Section 6, Chause 2, of By law No. 20.

SIZV OF PEED WIRES

6. See National Electric Code 1920, Section 18.

LENGTH OF PEED WIRES
7 A minimum of two (2) feet of wire must be

left on outside of building to connect to the City service.

8 See National Electric Code 1920, Section 20b and 24a. HEIGHT OF MAIN SWITCH AND CUTOUTS

Main switch or culouts shall be placed with
 seven (7) feet from the floor See also Nation

al Electric Code 1920, Section 23s.

Sa Ail three-wire angle phase instellations,
when wired in conduit, shall have the neutra

when wared in conduit, shall have the neutro wire grounded to the switch box. This shall he by means of a piece of No. 8 E. & S. wire, or larger as required for the system.

properly soldered into the neutral hig at the point where the feeds enter the switch, shead of the fases. The other end of this ground were shall be properly soldered into a log securely hotted to the needs switch box.

WALL BRACKETS

16. Wall brackets or eyo bolts for service wires on all except frame buildings must be ansalted by the contractor. Any such material required will be supplied by the Department on receipt of an order samed by the Inspector.

WETERS

11 Inside the first class fire districts. All store meters shall be in cabinets and there shall be a minimum of two meter loops for each store, i.e., general lighting and window Lighting.

Any fire district:

(a) All meter loops must be wired according to

approved blueprint issued by City Electrician, Single phase loops to be four (4) wire, load on right line on left, no shant laps allowed. Three phase loops to be four wire and a shant tap. (b) The minimum length of available connect-

(b) The minimum length of available connecting w.re for meter loops as as follows. Simple phase two (2) or three (3) wire meters eight (8)

posses two (2) or tirree (3) whre more signs (4) inches, all three phase loops eighteen (18) inches. (4) Must not be installed in locations subject to extremes of temperature, mosture or vibration (dl. Snace in from justs) be knot from obstruc-

tion

(e) In residences must be located in kitchen

(e) In residences must be located in kitchez or close to rear door

(f) In stores, etc., must be located to be reasonably accessible at all times, and as near as practicable to the point where the service enters the building.

(g) All meter loops for meters other than those installed in cabinets must be in condult and finished with an approved B condulet. Centre of loop to be at least sax unches from said of enhined

(h) Unless installed in cabinets, must not be

less than six (fit feet and in no case mole than seven (7) feet from floor

(i) Where more than four melers are required on one floor of a building they shall be grouped in a metal cabinet

(j) Where meters are grouped in cabinets a minimum clear space of 10" length by 10" width by 8" depth must be allowed for each meter

by 8" depth must be allowed for each meter (k) All connections in rabinets to conform with approved blue print assued by the City Electrogram.

th All circuits and meter foops shall be proper by designated by anally painful letters or numbers visible at all times corresponding to the rooms which they supply. This must be done before meler will be installed.

meter will be installed.

(iii) Provision must be inside for proper illumination of the interior of metal cabinets.

(a) No person is permitted to move a meter of change the connection to a meter main switch, culouls service wires or connection in existing

meter, calonets without special permission from the Inspector.

(a) The breaking of the Government Seal on a meter is an offence under the Dominion Elec-

meter is an offence under the Dominion Electric to Inspection Act for which the penalty is a fine of twenty-five dollars (825-00) for each of fence.

(p) Special instruction regarding necessary rabinet space for meters must be obtained from Inspector for installation in any of the following cases

100 amp 110-220 Volta, single phase or over 40 h.p. 220 Volta, three phase or over 100 h.p. 550 Volta, three phase or over All 2300 Volta connection.

CUTOUT CABINETS

12. Minimum size of box allowed is to measure
10":17"4" Every ruloud box shall make share

so that an additional double branch cutout can he installed at a later date if required except in case of shacks where a minimum size box of 8 x10"x4" will be allowed.

PUSES

FUSES ON METER LOOPS

13 All meters shall be fosed on both the line and load side and so arranged that all wires of meter loops are "dead" when meter is removed

PLSES AND RISERA 14 Risers or subfreds appolying more than one

panel must be so fused at each panel that trouble on husbars of one panel w.ll not affect the others. METTERS, MESSAGE

13. See National Electric Code 1929, Section 23s and "b" which requires the posteal or control fuse to be amuted on three wire single phase installation, but three wire fuse blocks and switches to be installed. (Not two wire 220 voil)

See also Section 23d which requires all two

THREE WIRE

S.WIRE, PEROS AND ALSO MOTORS LARGER THAN A R.P.

16. (a) Motors lerger than 4s h p. must not be connected on \$10 volts (b) All single phase motors from 1/2 to 3 h.p.

must by connected for 220 volts. (c) All motors larger than 3 h p, most be three

(d) Not more than five (5) lighting circuits or 3388 watts to be connected on 110 volts but must be properly be speed across 110-220 three wire.

or 280 volts two wice.

LIGHT AND POWER IN SAME CABINET

17. Three phase power and single phase lighting installations will not be allowed in one cob-

net. Separate cannets runt be used for each.
WHING GUTTANS IN CABINETS
18, All culouts or other apparative must be so

18. All Consult of other hippared house de so when spaced in the cabinet that the will be a wheng spaced in the cabinet that the will be a wheng spaced in the cabinet that the cabinet space of must be necessary of the cabinet of

See also National Electric Code Section 70d-8.
"Live" Tammerals

19. Conduit work Each outlet hox where the elecut is "live" and a fitting is not installed to have ends of wires properly taped and a blank metal cover on hox. Other work "Live" ends must be completed to a rosette or other suitable fittings.

GROUNDING NEUTRAL 19. See Clause 9-a.

9. See Clause 9-a

CONDL

29. Double lock nots must be used at all out-

Fixture study to be placed in all outlet hoxes where it is nearthly to install flythere.

See also National Electric Code 1928, Section 28-F.

CONNECTION OF CONDUFF WIRING
21 Adducties on conduct work must have the
wires properly connected and ready to attach
fittings before the wiring will be accepted as

satisfactory

OUTSIDE CONDUIT WORK

22 All autside conduit work in and interior underground conduit work to have joints leaded and fittings made waterproof by use of rubber gaskets. Condulets are not approved when in stalled rederground, as for example, where the feeds enter a basement from an overhead service.

OUTSIDE SERVICE

23. In case of power availabilities of 25 hp, or larger the conduct carrying the feed wires have larger the conduct carrying the feed wires do not not seen as a switch to outside of building must be easied with some mosture proof composition at outside and to prevent condensation within the puper Unless this. Conduit enters the building underground a small hole shall be drilled at the lowest point to allow for drainage.

GENERAL

CORD 24 Flexible cord must hang free in the sar

from the centing support for its order length unless protected by approved metal armor covering. This celling support must not be more than one (1) foot from the roctile or outlet. See also Notional Electric (ade 1920, Sertion

32-D.

PITTINGS NEAR GROUNDED MATERIAL

2.. In all places where it is possible for a person to make accidental ground connection all model electric filtings, cabinets, conduct or other apparatus, must be properly grounded or in the case of filtings a non-conductor such as porcelain may be substituted.

WIRING DETAILS 25 (a) Serews must be used for knobs or elects.

(b) Wires to be knobbed at top and bottom of

partition, i.e., below the top plate and above the mud tube (which must be installed).

(c) All writes to be completed to an outlet or knob.
(d) Knob and tube wiring to be enclosed in soom in two firsh partitions.

(e) Loom must not be used where subject to

(f) All pieces of som must be properly anchor-

ed at each end.

(g) Knobs are not to be placed on header boards at cullets.

the Horzontal runs on knob and tube work must be properly profected

(i) All motor wiring to be in conduit.
(i) The neutral wires in both two and three

wire installations must be marked at all points of connection, vis, feed wires outside of building, connections to main switch, meter loops and cutouts.

(k) The displacing of the neutral wire for the

purpose of clearing a ground is strictly forbidden

(I) All residences to have from play in kitchen.

Where residence has five or more rooms, plug west be on a separate curcuit.

(iii) In residences both sides of a circuit to be

wired into basement for future connection of plugs, ele-

27 Link fuses are not approved

TYPICHGROUND CONFICTORS

28 Wires installed underground must be lead
covered and placed in d tels or conflict, or otherwise specially designed for use underground.

wise specially designed for one underground MOTOR VOLUTION

29. The Gits reserves the right to specify the type and voltage for all mater installations, also the right to refuse applications where service is not available

POWER LENES 38. Refere installing wiring for maters infor-

nation should be obtained from the City Electerian as to class of power available at the de-

PLECTRIC RANGE INSTALLATIONS

31 a) In old on hings, with existing wiring for lighting, new skyline range installations may be treated as undependent.

(b) In feed wires shall be brought out of the brighting to thes way be connected to the existing ner all lighting service wires for that building, providing that this does not require considerable additional wir as.
(c) In all raises the feed wires must be brought out of the building at a most convenient to the

electric light poles, so that the aerus vervice wrish can be carried direct from the pole, clear aer ally, to the point of connection to the feed wires.

(d) Knob and Lishe wiring to hasements for circuit to electric ring, as permandide by the

(d) Knob and Libe wiring to basements for circuit to electric range, as permanelable by the Sians hold proper incellable and projections must be provided. The details of protection required are at the discretion of the Cheel Inspectar.

(e) The Chief Inspector shall decide any cases

(e) The Ch of Impector shall decide any cases where the proper location for feed wires may be cuted onable and the is prepared to visit the contions for this purpose when necessary, before ustal atom is commence.

PFX

32. Any person violating or disregarding the provisions of this instruction bulletin and By-awa No. 18 and 2% shall be trable to cancellation or suspension of license in addition to such penal-tics provided by the above mentioned By-laws. (Sumed) W J MURCHY.

Superintendent

January 1922 Revised March 1923. Gryse Block Pérsonton

> CITY OF EDMONTON ALBRITA

MATCHER LIGHT AND POWER DEPARTMENT

BI LLETIN No. 1-A (1922) Regulations Regarding High Voltage Installations (PRIMARY SERVICE AND TRANSPORMERS)

This bulletin is issued by the City Electricism of Edmontor Alberta, for the information of viceose, rondenders, and others in order to assure uniform interpretation of the rules and is hereby enforce, being in accordar ce with class. 2 (a) of the Electrical Bivlaw Via 20 and supplementary to that IV has which also see for generalist and information. All previous bulletins are hereby carefully.

GENERAL MEMO

The Gity Electric Legis Inspection Department desires at all lines to co-operate with architects-electrical contractors and others in order to of tablish a first-class standard of bigh voltage elec-trical construction and towards this end inview

enqueries for information regarding design, or for details of the regulations governing this class of work

BLLEPH

Blue prints of typical primars service [astallation may be seen a the flectric Department's office on request. 22 NY TO BE 34 DMITTY-D LOSE APPROVAL.

(a) A plan must be submitted in the Department's I before a bespector and approved before any construction work is commitmed on transformer shalls or other enclusive for primary solitate installations. Such cindid one also applicate installations, and the installation of the primary solitate installations.

NEWSTER CHIEF CHCCERCAL INSULT OF SAME

b) Projects without more many clother transformers are sympleted and installed in this Department but the contractor or other intersted party not simply and install all other equipment including Lambd mires service cobbe and a notal network and construction the in accordance more raw all construction to be in accordance project in the contraction to be in accordance on the contraction of the project in th

INTUAING PRIMARY CARLS

(c) The privace is storerable must be supplied in the confidence of sufficient leads or with the nin becarried up that the store and to native and of cross-sent for required lib the Alberta Hertrical Perfection the Begulations to connect to see on privacy accounts. Such adults did the second privacy accounts a Surficial debt did piole but will be invalided on the pole by the Department as referred to in clause (e).

LIMIT OF DEPARTMENT'S WORK

(d) The Department's work, at its own expense is limited to connecting the end of this calle to the primary cutous on the primary cross-arm, also connecting the primary watthour meter and meter transformers.

WORK ON POLE

(r) The contractor will be responsible to the
Department for the labor expense of installing

this cable on the pole, also for supplying and installing polycula if required.

(f) If atmored cable is not used, the contractor shall supply approved confull or other tecessors protection for the lead covered cable, also supply polheads of resurred.

WORKING ON DEPARTMENT POLES

(g) All work on Department poles shall be exercised out as this Department and it is problibit ed for any person except the Department's authorized employees to work on each poles or to laterfere with the Department's primary culouts

METER LOCATION

(b) Walthour melers must be installed under sub-conditions that they can be read without I being necessary or possible for meter readers, or others, to accidentally make contact with high voltage wires or apparatus.

In some cases this may require either a special window or door opening in the wall, or it may require extension of the meter secondary wires (No. R.R. & S. Is. Is. the custa to to a location outside of the transformer raudt, not exceeding extension of meter accordancy wires with most exceeding extension of meter accordancy wires whall not be made without special permission being obtained from the Department's language.

MIRES FOR MELDARS APPARATES

leely for high vollage apparatus, re where secendary awarchboard or distribution cabliness are installed in the same room an approved rotal screen must be erected to prevent accidental contact with the high voltage apparatus tiese also Alberta Flectrical Protection Act Regardatons, 1920, Sec 70, Puge 41. A reasonable space, to the approach of the Department's Inspector, must be left around the meter rack to enable meter inspectors to work on same

URING DETAILS

- (j) Air exposed permany wires, unless lead covered cable is used, shall be entirely encased in nom.
- All secondary wares shall be entirely enclosed in conduit.

Secondary writing not in condust until be limited to the shortest length possible, only sufficient will be allowed to make the necessary connection to transformers, netwer, set Such exposed writing shad are properly earlied to where possible, topped which is the properly stated to the properly stated on a volume to the approval of the Department's Inspection. The right is fall condust and epithes shall be

The ends of all conduit and cables shall be properly finished with an approved pothesil or some equally approved method

Section 59, Page 38- Grounding apporatus and framework also oil cutouts, if installed

framework also oil cutouts, if installed Section 63 Page 40. Two switches required, one of which shall be an oil switch and the other a disconnecting switch for oil

cutout)

Section 69, 70, Page 41, and 75, Page 42functing live parts by elevation or suitable covers.

Section 72. Page 42. Indeptification of circuits Section 78 Page 43.-Illumination of vaulia, etc. See ion 80. Page 43 "Danger" or "High Voltnge" signs required

NATION M. ELECTRIC CODE REQUIREMENTS (I) The "National Hectrical Code" regulations also apply. In portion or see the following sec-

Section 11, Page 24 General regulations for transferent viults, etc.

Section 15 (b), Page 31 Ground ng neutral

point of single phase lighting transferners. Section 44. Page 136 - Begula ions for bigh voltage wires

Section 45, Paste 131, 132, 133. Special permismor required to ulare transformers in huldings ofber than power stations Loc doors of transformers to be as near

es po son. To the mount where promars wires enter build no. I be bours remured of fire resistant me.

terral with door securely locked.

Vault to be thoroughly ventilated to out Transformer case etc. to be grounded.

Suitable draining remired Door sil, of entrance

OUTDOOR PRIMARY INSTALLATION (ia) Under certain special conditions where not practicable to make the primary service and transformer aretallation in the interior of haildings, permission may be granted for the entire primars installation to be made outdoors on a note platform. All such work to be carried out by this Department at the expense of the contractor or other interested party Estimate regarding cost will be supplied on request

garding cest will be supplied on request Under the above conditions the secondary wires if the primory without meter shall be carried in conduct to a six abib location for the nester in the interior of the building or to other approved place. Such distance not to exceen twenty-five feet from the rester transformer, No. 8 B. 8. Nexes to be much.

The work to be carried out at the Department's expense is strated to supplying and connecting the Department's pronoses colouts on the primary cross-sens and supplying and not recting the walthour revier and mater transfor ver Discon recting describing and on all switch man

be required, similar to interfor fastal amons, if thought necessary by the Espector DECEMPINT

A blueprint of the call estatour pole type pri-

mary service installations may be seen at the Department's office on request (Signed) W. J. Musphy

Signed) W. J. Musphir Superintendent

January 1922 Critic Block Edmonton

RE-NUMBERED BY-LAW No. 3, 1922

(Bu-Low No 47, 1921)

A By-I aw Respecting the Examining and Licens-ing of Electrical Contractors and Journeymen Electricians

The Murrounal Council of the City of Edmonton. drly assembled, charts as follows -

DEFINITIONS 1. In this By Law or essing context otherwise requires

(a) "Commission ers' shall mean the Commissoners of the tits of Edmonton

(b) "City Electrician" or "In pector" shall mean and include the City Electrician of the City of Likennion, the Sepermiendent of the City of Edmonton Piectric Light and Punct Department or any of his duly authorized assistants. (c) "Contractor" shall mean as I messale any

nerson. He a or corp arriver having a regular place of business within the City of Piriordon, who either husself or in the employment of purpeywork of installing wires, confidute, apparents, fix-tures, and other appliances for the carrying or using of electricity for ught host or power pur-poves, within the aroung of fire By faw and no electrical permits as provided in Wiring Ba-law No. 26 Section 3 (1) or amendments thereto or substitutions therefor shall be issued to any other persons

(d) "Journeymen" shall mean a person who does work in installing, requiring or making al-terations to wires, conduits, apporatus, fixtures or other appliances for the earrying or using of electricity for light, heat or power purposes within the meaning of this By-low, for hire, and such Journeymen shall have had at least four years' electrical experience relative to work of a journeyman electricism

(e) "License shall mean the certificate of qualification lassed to a contractor or journeyman under the provisions of this 2s law

SCOPE OF BY-LAW

2 The personne of this II, the shall apply to all saw shelter institutions and every advertion or addition to estimate over and the state of the sta

DOUGH SOFT APPLA TO MUNICIPAL DEPTH.

3. The provisions of this Its law shall not apply on such work within the power house, substations or other places wherein the business of generating or distributing electrical power is exerted on its the multicipal departments and where such work is installed by employees under the direction of officers of such municipal depart ments except in structures wherein the public idea than employees of such manifestal department, have free evers on business.

HORR NOT APPLY TO HE VECTOR STREET BLY

4. The provisions of this By-law shall not apply
to such much on street railway cars or lecome-

tives, or on railway cars or locoriolives which are the property of the nun cool departments and where such work is installed by employees under the direction of officers of such municipal departments

APPRENTICES AND HELPERS

5. No person not licensed under this By-law shall perform any electrical work or install any electrical mater at or ampliances within the mean ing of this By-law, except as an assistant to inthe presence of and under the direct personal Authorision of a fourtheyouse continuously on played on the same contract or ush and licensed under this By law.

ALLOWS REPLACEMENT OF LAMPS PURES, ETC. 6. Nothing in this By-law shall be taken to apply to the insertion of neandescent larges in sockets or receptacles, or the replacement of such lamps the corboning, from ming or operation of are lamps, the lawful connection of utilization

represent to supply by means of attachment pings or the use or operat on af the same or the lawful replacement of fuses controlling circuits or equipment

BOARD OF EXAMINERS 7 There is hereby created a Board of Exam-

mers for ingraexmen electricians which Board shall consist of the City Electrician for the City of Edmonton, one master electrician and one pourseyman electrician both of whom shall be chosen by the City Commissioners from true 11 time. The fits Eletrican shall be Charmen and Convener of this Board.

POWER OF COMBSIONERS

8. The Commissioners of the City of Edmonto shall make regulations for

NO POWER TO DELEGATE

(a) The examination of candidates for journey men's licenses, the granting of licenses and evidence to be furnished by candidates for contractors or journeymen's licenses as to previous emperions.

(b) Determining time and duration of licenses and their renewals.

(r) Prescribing causes for which a license may be revoked, cancelled or suspended.

(d) Defining the duties of inspectors and making rules severains their operations

CLASS OF LICENSES

 Three classes of licenses shall be issued, designated as follows

(a) Class A, which may be given to a journeyman having at least four years' experience, and who, after pessing his examination successfully and complying in every respect with the precription contained in the forms prepared by the examiners, has paid the fee prescribed by this Bv-law

(b) Class R, which may be issued to any person who has sufficiently parsed the ramination persectified for poursquien electricans and holds on a qualified for a journaymen electricans and holds license under sub-section (a) hereof and has fitted license under sub-section (a) hereof and has fitted in the case of the sub-section (a) hereof and has fitted in the Carlo Electrican's office and paid the free prescribed by this Ryshaw, or which may be grateful on by comparation of the carlo Electrican's suffice and paid the free prescribed by this Ryshaw, or which may be grateful to make the comparation of the comparation of the send association company, corporation or firm, or at least one person in its given by the causance, and has registered as a send private of the superior of the send association of the superior of the send association of the send association

contractor, and that the fee for the confractor's license has been pard.

(c) Class (which is the apreal Leense au-thorizing a manufacturer firm or corporation other than an electrical contractor to regularly employ at all times for their own purposes an electrician holding a journeyman electrician's Herose

EXAMINATION PER

10. Every person desiring to pass an examination as a increasing electrician or upplying for a contractor's because suit apply in writing to The expendent board as h work attent to be secomparied by a fee of Five Dullars 8 x801, sa d fee to cover expenses invorced by examining for each applicator or examination. The board shall fix the date of the examination and notify the various applicants

THEOREMS PERMITS

II Temporary permits may be issued by the filty commissioners to mis applicant between an considers the applicant qualified and said form and pass the fees for examination and begree. Such temporary permits will automatic ally terminate on the day after date of the first evanuation after issuance and are not renewable

SCOPE OF EXAMINATION 12 The examination cars at the discretion of

the hoard he partis or wholly in writing, include plans and shell consist of questions on the fol-lowing adjects (a) The National Electrical Code

the The Gits Electrical By-laws.

(c) General Electrical Theory, as applying to the work of a journeyman electrican

(d) Practical Electrical Work as applying to the work of a lowrange electrican MARKS FOR PTAMINATION

One hundred marks shall be the total applied to such section. A candidate who receives 75% of the total marks in sections (a) and (b) reapectively and 80% of the total nurks in sections (c) and (d) respectively shall be deemed to have passed a salisfactory examination and shall recrive a certificate from the board to that effect. A candidate who receives less than this minimum. set percentage in any one section shall be deemed to have failed to have passed a satisfactory exeminellos SPECIAL PERSONS

13 In certain special cases at the discretion of 13 In certain special cases at the discretion of the Commissioners, improvers permits may be granted to a journeymen electrician who has filled to obtain the meresanty marks in section (b) of clause 12 hereof (Litt Electrical Railes), but is otherwise qualified Such permits way continue for a limited period only as the Com-missioners consider necessary and will depend missioners consider necessary and will depend to a streat extent on reports from the City Inspector on the applicants work and his own efforts to familiar as himself with the Lity Electrical Rules.

APPLYING FOR LICENSE

16. Each successful candidate on presenting to the City License inspector the Board's certificate and providing the license fees have been paid,

LICENSE PRE 15. License fee for contractors, Class "B", shall be \$25.00 per year and for journeymen electre-lans, Class "A" One Bollar (\$1.00) per year Manufacturers permit, Class "C," \$5.00. A contractor's license may be transferred on nayment

DATE LICENSE PAPIRES

16. All beenses shad expire on the 31st day of December of the year in which they are granted.

CATSE FOR CANCELLANG LECKNER

17. The lectors begin proceed for may at may

time be causefuled for one impetence, deretication of dust fromulation then threed or for any other proper crossion by the Lommissioners upon reminimentation of the day. Electrician and after due enquiry. The Commissioners upon the revocation of any accesses half forthwith nutrity the laspiel of of Lorence and the person, firm or corporation whose looners is revoked.

APPLAING FOR LICENSE APPER CANCELLED 18. Any person has no had his beense cancell-

ed is aforested may at any hore after the carried lation thereof spiph, to the 1, enough space for the visit of a new horeste, but no new hereas shall be search antifa with person shall prinduce to the hosperia of L, enses a er illede from the commissioners that the said person has stanford for the person to have a new 1 cense.

OR LICENSE.
19 1 per any complaint being made to the

IB I pon any couploid being made to be Commissioners that any torous contents for last commissioners that any torous contents for last son to exade the previous of the 18 km or is son to exade the previous of the 18 km or is constructed to the previous of the 18 km or is constructed to the previous of this 19-law, the constitutions of all require most for matter and constitutions of all require most form and researed the offender's hermal. The Coxpector of examed the offender's hermal. The Coxpector of learness shall be count to such person for men, deress shall be count to such person for men soft from the date of the exactletion of me soft from the date of the exactletion of men soft from the date of the exactletion of men soft from the date of the exactletion of

EXHIBITION, CIRCUS. ETC.

30. In the case of a tirea, radiation or other statute busines exhibiting or carrying on business within the City for a period not exceeding across within the City for a period in the carrying of the last period to the interestinal theories of easy period on or acceeding seven device previously of the carrying of which period the carrying of the period of the carrying which period theory and the period ten period to perlocation upon which such referred a that carry thereto it possible period being united the persion named therein shall be absolved from comping as with the preceding provisions of this Typing as with the preceding provisions of this Ty-

STRAM ENGINEER'S LICENSES.

21 Netwithstanding anything hereinbefore conlated, the poissons of a first, record or third class certificite! limited to not less than 100 horse power, tassed under: the provisions of "The Boller Act" of Alberta shall estable the believe party of the presence of the property of the law in or about the pressure wherein he is employed as a stationier, contence, but not elsewhere 2.2 Bytes No. 18 of 1919 and all other Bytes have been presented as the presence of the prepared presented and the presence of the pretaction of the presence of the presentance of the presence of the prelation of the presence of the prelation of the presence of the presentance of the presentance of the presentance of the presentance of the pretaction of the presentance of the prepared to the pretaction of the prepared to the pretaction of the pre-

DONE and PASSED in Council this Twentythird day of January 1922

D. M. DUBGAN,

CHAR. ED. K. COX, City Clerk.

(SEAL)

Lxtracts from Waterworks By law No. 17 (1917) and from Departmental Regulations.

INSTALLATION OF WATER SERVICE, CITY PART

- 4 All applications for the Installation of average arrayse from the City sweet marses into an India, for or permises must be made at the additive of the Mexicowich Important on the direct of the Mexicowich Important on the which used to suppose to the propose of the Mexico and the suppose of the Mexicowich or connect up to and make the 6 this serve earlier and the manufacture of the Mexicowich of the members of the Mexicowich of the Mexicowich Important of the property line. Palangs to do this, the Wales Works Disparational after the expectation of the said three months, has the right to make a minimum charge per month his per the West: Works
- 5. Unity one water service shall be supplied to any one building for only other purpose than thre protection
- 6. The Waterworks Department will install free of charge the standard size of service from the water man to the properts line. The standard size of water arrives is three-quarters. (3-41) of an inch for residences and one (11) inch for business blocks.
- 8 Feery application for water or seems services received by the Winterworks Depart next fees. Navenders 15th to April 15th to the clause, still be charged for according to features, will be charged for according to features, and the applicant shall pas the difference of stad "frost rate" over seal above the ord above the ord and according to the features of stad "frost and the difference of stad "frost and the difference of stad" frost and show the to draw that the stad decreases of the stad show the form of the stad decreases of the stad show the stad sho

partness such sum as the Superintendent shall consider necessary to cover such extra cost-

Survivor invessity to cover such extra cost-§ Every temporars water service or pipe laid on or near the surface of the ground for construction or any other purpose shall first be opproved by the Septenter dent, and the total

extinated cost of arstalling and abandoning sure shall be paid for before the construction

to When any existing service is desired.

The When any existing service or services become limitequate, and more water is desired.

the former service or services shall be restored or about level and all water required shall postbrough the larger service installed.

If In all cases the Lift water service paper will be land at rath nucles in the moment, here

at the point of entrance, and at a depth to be decided on by the Superintendent 12 No water service shall be installed except

into property abstring on street or land on which a water or a n is laid and which is assessed for the Water Frontage Tax

INSTALLATION OF SERVICE PRIVATE PART

12. All water service pipes shall be laid at a transport of more less than weven feet and nut more than eight feet below the extablished grade at the property line, and shad not at any point between the property line and the timsde of basement wall, he less than sex feet below surfects of the neural.

basement wall, he less than tex feet below surface of the ground.

14 No water service shall cross a sewer versice at or near the property lane and all

service in or near the property line and all water services, shall be kept at least nine inches from sewer services at the street or lane line. In Fivery service pipe from private property

15 Every service pipe from private property shall approach street or law line at right angles and shall end not further than eight raches from treet or lane line.

16. When two or more services are placed in one trench they shall be on the same n'any at street or lane line and not closer augelber than nine mehes nor further apart than system inches. 17 When two or more adm at he ld.nes are

being served by as many services in one fronth, such service pipes shall be placed in uniformity and rotation to correspond with the burletings served and no crossing of nines on the Icen Is skall be permitted 18 Malleable from caps shall be acrewed on

ends of all service pipes where tals is to make connection to sair 19 Nu pepe shall be countered up by the W terworks D part nent if any wood paper

onkurn or other plug is found in the end of su h pipe until the same has be a removed by the applicant for the service and the end of service pape left in good order and the Waterworks licpa thent satisfied there is no obstruction 26. Superate water services 11to any premises

shall not be interconnected in any way pither above or below ground.

21 A stop and wastr cack shall be provided on process one II a meh and under, and ulari I in position specified in clauses governing instalation of neters and shall be always kent or good

working order 22. When the building to be supplied with water has a basement or partial basement of whatever size or wherever localed, the p ne shall galer the building through and basement are have pirter chamber and slop and waste cock in

stalled therein

23. When the building to be supplied with water has no hazement or excavation of any kind under street or now floor a valve or stop and waste cuck shall be installed on water service termediately inside the wall of the lon bling on I

an extension bandle to operate same shall be securely fastened to said valve or stop and wavie cuck and extend protected by a casing to sur-face of floor and be accessible at all times. 24 Phonbers shall examine all water pipe that

the flow of water will not be interfered with by any flow or abstruction in the pine or by clay or any solid matter while pape is being installed

23. Where any failure or interruption of

service is complained of the person requiring the cause of such interruption or failure shall de has the rost of such investigation and if it is found that the Pow at the property line corresponds to the same of service no refund shall be made but of the Interstitution is found to be on the City of service the amount so denovied shall be re-

28 Where the outside wall of the building to he served does not come to the property line arguing on the areas or take from which the service pije los shall be first completed up to the peoper's line before the Waterworks De-parts in shall connect thereto.

27 In all cases where a water service has been newly installed and in all rases of reconstrucnew or additional water service or fixtures have been installed fally water shall not be turned into been installed Lit's water shall not be formed into wich secrete until all charges for water used on the premises for any purpose shall have been past and the secrete flash; inspected by the plumbing fespectur and certified by hirst to be conformat, with the Be laws of the City 28. The owner or agent shall notify the plumbing large-rote of suon as any water sets lee or flas-ing inspector of suon as any water sets lee or flas-

lures are ready for inspection, who shall inspect the same and report in writing to the Superintendent of the Waterworks Department that the work on such premises has been approved by him.

28 Every water pipe laid inside the property line on any premises shall be left exposed in the teach until Inspected by the Planting Inspecfor and when he has approved of same the pipes shall be properly covered by the owner of his agent.

RPECIAL RIZE SERVICES, OVER ONE INCH AND PP TO SIX INCHES

30 in all cases where the holisting is to be supplied with any superact are reverse has retain superactions and the superaction of the superaction of works ligarithms will construct the service to the mised of which retainsing such in cases where per-maxima has been granted to extend hasemost all compiler anisations of service only to the model of the ext index havement existing will all compiler anisations of service only to the contents, was all as alphy satisfactors to the Supcreated of the extends of a use all least are notice for the superaction of the superaction of

31. When fire and domestic services are applied for at save time the applied at shall state it could need service, as well as use of domestic service required and the Waterwoods Department will install the con-loned services in one to the install of 1-tasking will. The brainst for the domestic services in our to the matter of 1-tasking while. The brainst will seld a gate water or stop and wrate cock and a gate water or stop and wrate cock the first plant and the first plant and the first plant as th

27 to service pupe shall be Installed through any unifilation fertaining will or into any unification from any unifilation fertaining will or into any unification completed baserieri, unless the applicant shall wave an writing any chain for damage that may occur due to the displacement of any temporary blocking and support to service pupe.

38. Provision shall be made by applicant or whenther for the installation of a prefer on all

phropher for the installation of a meter on all water services.

41 No branch line of any kind shall be taken off the service pipe line between the meter and the filly furb lineb

the City Curb Cock

42. Every water consumer shall give every facility for the introduction of water meters and shall protect the same from frod or other daminates.

age when placed upon his premises by life Waterworks Department and shall at all times property and efficiently protect the service pipes and fixtures upon his preasses leading to or connected with said meter from frost or other injury

OPERATION OF CITY VALUE, HADRANT FIXTURES, STC

46. Every service from the filts masses or from other serve express to the property him, including a service or curricular to be placed about one fort from strete or Jose like abili be mislated annatured and operated by the day. Where serves have here accessed and the first selected to the first serves have here accessed and the property owner must listable of the area wall. The property owner must listable and maintain at his own acceptance.

47 Nu person shall open or shul any street or earb cork or in any wise lamper with or figure any meter, valve or service pupe connecting any premises or building with the City water supply, unless such person be a regular employee of the Waterworks Department, and have authority to do so, or a regularly licensed plamber, who may open or shut the street curb coch in order to make necessary repairs or to test his work, and in every cuse he shall leave the curb cock as he found it.

48. No unauthorized person shall knowlingly be end keep in the poacession or under his control asy site bench kee, valve act or fire hydrant wrong his bench water supply system and no wrong his bench water supply system and no includent make, construct, how, sell or in any water distance of to any person any such curb cock key, walve key or hubbant's record.

49 No person, not being data sutherized by the Superintendent shall in any way in terfere with, operate or attempt to operate any fire hydrant, gate valve or other fixture of the Waterworks, distribution system.

50. No person shad obstruct the acress to any fire hydrant by placing around, thereon or within twenty freet Piercel only stone brick lander dirt rights in extend or willfully or carelessly injuryer soate, or fill up or cover any curb losy valve hox or lin any manner lamper with or injure soate.

52. Per operating the fits earls, cacks, beensel plumber, are required to provide and use only such kess as shall be approved by the Superast tendent, which shall be made of thre-quarter tendent, which shall be made of thre-quarter tendent, which shall be made of thre-quarter of an intel steel and progerly welfed at leating socket. The total cost of regarding any distriction to curb cock in service but south of an interval of a steel of the st

18c

WATER TABLES 56. The rates for water supplied by the City

shall be as act forth in the Waterworks Tariff an recommended by the Commissioners and approved by the Council Building rates are as fol-

Forh 1,000 Jimeles Each 100 cuble feet m wall of

rubble or random roursed ashlar mosoney 10c

concept masones Fuch cubic yard of concrete

Each source vand of lime plaster Fach 130 square feet of Terra Cotta 50 Each aquare varil of wood fibre

pluster and stucco %c Steam Bealers used to construction per week 31.50

These rates are payable at the Building Inspecter's Office at the time the building permit is

62 Application either for the turning off or for the turning on of the water shall be made in writing at the Waterworks affice during office hours, and upon the required forms

61. When a house is vacated, the stop and waste cook inside the premises shall be furned off by the party leaving the honse or by the owner or his awant

68. Where any construction or alteration, or repair work, of any kind is being done on any street, by any (sty Department or by any contractor working for any City Department such Department or contractor shall not in any way interfere with, undermine, damage, abstract or cover up any volve box or chamber, service box, pipe or allachment connected with the Water130

works systems. If any alteralism on adjustment of any water pope or fixture should be necessary consequent on such operations, all such alterations or adjustments shall, be made only as the Waterworks Department and on reasonable notice from the GDT Department dong, or sugarvining the work. All roots involved in such afterations and adjustment's bit the Waterworks Derivation of the such properties of the properpers of the such as the such as the such altertation and adjustment's bit the University of the development of the such as the such as the such as the properties of the such as t



BY-LAW No. 49, 1923

A By-law to amend By-law No. 17, 1917 (Waterworks Installations).

The Municipal Council of the City of Edmonton, duly assembled, enacts as follows:

1, By-law No. 17, 1912, entitled a By law releting to the Man cipal System of Waterworks of the City of Edmonton, is hereby amended by striking out section 18 thereof and by substituting the following -18, (1) All water services between the street

and lane line and huilding shall be constructed (2) Lead water some shall weigh not less than

as shown in the following tables for the respective sizes of pipe 6 lbs ner vard

%" drameter	-111	****	- 8	lbs.	per	yne
"A" diameter			10	Ibs.	per	Ver
1" dlameter					per	
1%" diameter			18	lbs.	рег	YES
2" diameter					per	
31 The Contra	etini	g Pl				

service shall leave not less than 2" of plac exlending past the property line with a closed end to which the City will make connection, or if the City service is installed first then the Plumber shall connect this pipe with the City's curb cock,

(4) Yard hydranis shall be connected to the curb cork through not less than one foot of lead shall be connected to the iron more by means of a lead to roon union. All other water service pipes on prevale properly shall be of lead pipe and star lead pipe shall continue from the properly has to the stop-and worke roots in the basement and but in the ball-dress which have in thosement and the has been shall be supported by the property of the p

(5) When a yard hydrant is no longer required and the service paper is to be extended into the house or halding the new service shall be continued to and connected with the carb cock at the street or proporty line.

(6) A lever handled stop-and-waste cock shall be placed on every water service pipe as costs to the point of entry as convenient.

2. This By-haw shall come into force and effect forthwith after the passing thereof

Done and Passen in Council this Iwenty-first day of November, A.D. 1923

(SEAL)

(Signed)

Mayo CHAS ED K. Cox.

CHAS ED K. Cox, City Clerk

BY-LAW No. 48, 1923

A Bu-law to resulate and govern the installation of Natural and Artificial Gas authin the City of Edmonton and to fix and determine the several materials to be used

The Municipal Council of the City of Edmonton, daly assembled, enacts as follows

PERMITS 1. Before commencing the construction, altera-

tion or repair of any portion of the gas filting of any building un application for a permit for all work propo ed to be done shall be filed in the office of the Plambing Inspector by the Contract-ing Filler and if required a plan shall also be

175368 2. With each application shall be deposited the

following amounts to cover the cost of Inspection and enter no records. For the first run of nine to the motor, with not over ten (10) outlets, a fee of fifty (58c) and for each outlet above ten a fee of five cents (5c) per callel

For each additional run of pipe to the meter a

for of twenty-live cents (25r) shall be charged. If the work is not ready for inspection when called or not done in accordance with these regalatinos an additional fee of fifty cents shall be made for each extra visit

INSPECTION

3 The Plambing Inspector shall be notified when the roughing in is ready for Inspection All work shall be left exposed until approved

The Inspector shall examine all work within twenty-four hours after multication. The Contracting Filter shall notify the Inspector when the work is compacted and ready for final lest.

No work shall be used or meter attached until inspection has been unde and certificate of approval assued

QLALITY OF WATERIAL.

4 All pipes and filtings shall be of the best

quality of standard gauge and standard threads, pipe littings shall be malleabor from or mild style aphilipies or littings shall be removed and no cement shall be saved in any pipe or litting for the purpose of repairing or concessing defects. Pipes shall not be painted or covered before inspection is made.

5. All branch outlet pages shall be taken from the side or top of the romaing line and never directly from below. BANGER AND C. COPKS AND STOPS.

6. All gas cocks shall be provided with a check

6. All gas cocks small be provided with a cherk or stop in key, they shall also indicate whether open or closed. Evers gas range furnace, gas gange gas gas for a smaller appliance shall be provided with a ground plug cock, back of and controlling the barner cock and said cocks shall be installed previous to and subject to the rough test on the system.

7 All pipes shall be graded with a suitable inclination towards the outlet or towards the ne'er, free from traps and no automatic deeps will be allowed.

NUMBER OF OUTLIFTS, LENGTH AND SIZES OF

8. In all systems of gas piping, repairs, changes or additions to be installed the sizes of pipes shall not be less and the length of pipe shall not be greater in respect of the number of burners then specified in the following table, except in

Outlete	N .	16.	α	11	14"	115	81	25%	5
1	39	30	50	70	199	150	200	200	490
2		27	5.0	7.0	100	150	200	200	499
		1.2	5.0	7.0	100	150	200	3.00	460
4			50	76	100	.50	229	200	400
6			\$1	76	100	.50	200	200	460
ß.			30	76	.00	1.0	200	\$80	440
8.			13	86	100	184	260	200	400
19				25	1.00	150	210	240	400
13				21	6-3	150	290	599	400
15				16	45	129	200	3.99	460
29.					27	64	240	340	400
2.5					17	4.2	115	100	400
20					12	3.0	120	100	400
25.					1	23	90	270	400
40						17	79	210	100
45						12	5.5	.86	400
50.						3	46	125	300
65.							27	30	200
2.5							20	6.0	750
100.								23	Ap
135.								22	50
150								1.5	3.5
115									2.8
299									81
\$26.									17
250.									1.4

The number of outlets as shown in the left celamn is the total number of oatlets the pipe is to supp y If the exact number is not given the next higher murther is to be used. Onnosite the numher of outlets will be found a figure which is the maximum number of feet of the size of pipe at the top of the rolumn which can be run to upply the said number of outlets. For example, if seven outleds are to be sumplied the run to the next section is 18 ft. long it will be necessary to use the eight outlet figures, in this case the table thows that only 13 feet of %" pipe can be used and if the distance is greater a 1" nine must be installed

PUEL OPENINGS FOR CENTRAL HEATERS

 Pipe I nes shall be as follows in addition to the preceding table —

Acra of Roam

Plus to be compared as

				be for	compu owing b		100
	Arra of Boom	Pipe equal	to to			0.0	
	150 square feet 800 " "					out.	

8ter of pipe to a poly heaters — Reater only for

Heater only for

40 rooms Under 15 feet 134" minimum

11 to 15 rooms 75 155"

16 to 25 rooms 75 to 100" 156 "

11 to 25 rooms 75 to 100° 2°

(3) Fige of pipe to supply heater and range —
Nexter and range for
2 or cours Under 75 feet 11g minure.

.0 rooms Under 75 feet 1 % rednissur
11 to 15 rooms "75" 1 % "1
16 to 28 rooms "75" 2 ""
10 rooms T5 to 100" 1% "
11 to 15 rooms T5 to 100" 2 "
11 to 15 rooms T5 to 100" 2 "

10 rooms 75 to 100" 15 1 10 15 rooms 75 to 100" 2 1 15 to 15 rooms 75 to 100" 2 1 - 15 to 25 rooms 75 to 100" 2 1 - 15 to 25 rooms 15 to 100" 25 - 15 to 25 rooms 15 to 100" 25 to 100" 25

ADDITIONAL PIPE LINES 10 New pape shall not be connected to the

general house pipe system after same has been tested and inspected but shall be run to within eachteen (187) inches of the meter and the stacompany polified to make connection with the If meter is already restalled the gas fitter put

ting in new work shall call for inspection on said work and after rocely by the approval of the Inspector he shall notify the gas company to the succied and is ready to be connected.

MISCELLANEOUS BULKS

- 11 (1) No fixtures or bracket opening shall be less than %" and no rising main or cong stove branch shall be less than
 - (2) All enok stoves, heating stoves, ranges, or any gas slove with oven attachment, and hot water heaters wust be provided with fine connections
 - (3) No one but an employee of the gas company shall d sconnect either the unlet or the optics of a meter for any nurpose or make any alterations. additions or changes in the service D Des.
 - (4) An outlet for the purposes of this bylaw shall be extinued to consume 10
 - feet of gas per hour (5) White lend or other jointing material shall be used sparingly so as not to clog the pipe
 - (6) The warn shall be extended to a point within eighteen (18) inches of the promoved Juration of the nucley and to the right of same or the street above
 - floor where there is no besement. (7) No gas pupe shall be carried on the undersule of the joists of the ground

144

floor of any building where there is ne basement.

(8) Wherever a union is used it shall be a ground non-corrosive melai faced union, but a union shall not be used

GRAPING OF PIPES, BRACKETS, DROPS OR OUTLAND

12. All nines shall be graded with a fait and all pipes shad be free from traps, no automatic

drips will be allowed 13 Bracket lines shall be run up from below when practicable

14. Ail pipes shall be thoroughly supported with lumber or metal nine books or metal strans or both, held in position securely. Outlets which are not in close contact with the studding to fire wall shall be supported with a notched 2"x4" cross pace placed between the regular sluds and the pine secured to if

(2) A support shall be pasced on all brackthe riser or drop ell-

(3) No gas pipe shull be laid in cement unless the time and channel are covered with ter

CAPPING OF PIPES

15. After the pures are all run the cutlet ends shall be espeed with iron caps and in no case shall lend caps he used. All unused ends shall be kent capped.

DISPECTIVE PIPE

16. All spit pipe or defective fluings shall be removed and no defective fitting or pipe shall be repaired with cement or lead No gas filters' coment shal be used execut at the fixture loant

RIBERS 17 Busers shall not be run in the outer wall of a frame building wherever it is practicable to place them elsewhere, risers shall not be seattered but shall drap together in alignment to the basement they shall be kept at least three inches below the busement ceiling and not less than three inches apart, and not less than ten apart

at the meter (2) Buters and rising mains shall have a

tee at the lower end, and not an ell. (3) A convenient opening shall be left at

the meter end of the riser from which to make a pressure test.

GAS LOGS OR GRATES

18. First star pones shall no, be made to any fireplace or initiation mantel effect unless and fireplace or mattel is supplied with a freproof flue, the upper end of which shall extend to the outer atmosphere TESTING

19. The gas fittings in any building shall be tested by the sax litter under the direction of the Plumbing Inspector, when the roughing in is completed and before the work is covered in a but shall be applied said the work shall states a column of nercury 10 inches for fifteen minntes and after all the work is completed and the fixtures are to position a further lesi shall be applied and the complete installation shall nustain a column of mercurs three inches for five quired TESTING TUBAGE

20 No test shall be made other than by a amouth hore glass tube mercury guage open at the top. In no case shall a spring or sleam guage he used for testing

CERTIFICATE OF FIXAL INSPECTION

21 Under no conditions shall a meter be set by the gas company until a certificate of final impection has been assued by the Pambang Inspector in substantials, the following terms

This is to certify that I have examined the gas fittings and fixtures installed by

on the building . Street and find that the same are installed in accordance with the bylaw governing gas fitting in the City of Edminton, and some in ready for the mater to be set.

COMBINATION PITTINGS

22. No combination gas and electric fix

tures shall be used for lighting purposes.

23. Every service p pe to any building which

is to be provided with gas supply that, be provided with a stop-cock placed at or near the property one and so arranged, that the gas supply can be shut off at such point

can be shut on at such point

(2) The service p p; shall be provided with
a protective coal ng of p; nt or asphaltana, and
if this should be damaged by wrenches or other
medium it shall be replaced before the ditch
filled in

Done and Passed in Council this 11th day of September, A.D. 1993.

D. M. DUGGAN.

GHAS ED K Cox, Cita Clerk.

Inspector of Planning

BY-LAW No. 34, 1921

I By Law Respecting two Filling Stations

The Municipal Council of the City of I doon-

I Substitutating the provisions of B lise 22 HIT as in lought fail for an on onserving a HIT below that the state of an attention with authorities with the state of an attention of the state of the st

3. Where fir the purpose of delivering any such liquid fuel it is necessary or inventient to place any pipes of apparation over or across any paratic of any highway a further plan showing the location of with purey or apparation shall be filed with the Inspector of Bu Idinus before the same are placed in position who shall solumit the aime. In the Commissioners for their approval, and unsuch suproval being given. the Inspector shall latur a permit for the installation of said pipes

4. No permit shall be issued to install any such pipes or apparatus over or across any highway or part thereof, slong which a street railway or transway line is located, or within thirly feel of the nearest street or avenue intersection nor shall any perm t be assed to install any autofilling station within one handred yards of an other such systellation

No perm t shall bereafter be issued for the installation of any curls pumps or other apparatus for the delivery of lunud fuel, which requires the use of a partion of the sidewalk or rondway but all pumps shall be lecated on private property and all liquid fort shall (except to cases of present oustallational hereafter be delivered through an averbraid pape which shall twing over the sidewalk and return automatical by to the face of the loading when not in actual use. The horizontal norteen of such supe which swanes over the sales alk shall not be less than nine feet above the sulewalk

6. All auto-filling stations or other apparatus for the delivery of Journ (see hervisione erected or placed in or anon any highway and which have been installed without the onsert of the proper (aver authoraties, shall be discontinued within Ira days of the passing of this fix-law unless the owner or operator shall oblain a per mil, as hereinbefore provided, and all such stations or other apparatus erected or placed with the consent of the fits upon any highway urun which street railway or transpay little are located or within thirty feet of any street or two months from the date of the passing of this

By-bare

7. All air lines or other devices for the supplylag of the a wader to relate whether have a therehad the state of the state whether have a thereare advanted to that the pipe for delivering the air
or water shall be either under the state-under
a state whether the state of the state-under
in cases whether they not is delivered forward or by
the state of the state of the state-under
the state of the state of the state-under
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the state-

8. The annual fees for stations for the supply of liquid fuel shall be as follows --

First Fire Ontside First

Where curb pamps or other obstruction is placed on the sidewalk \$50.00 \$35.00 Where no obstruction is placed on the sidewalk \$50.00 \$35.00

walk \$33.00 \$20.00
All sims paid by the present holders of permils shall be cred ted on account of the above

mus shall be cred ted on account of the above fees, provided anch permit holder shall continue to operate be installation. In the event, howwer, of any present permit holder withing to discontinue his present mistillation, he shall be entitled to a rebute of one half of the fees already path by home.

9. In case of non-discontinuance or non-removal of any auto-filling station or any apparatus above mentioned in respect of which a permit has not been obtained the person maintaining the same after the ten betreenbefore injusted shall be labor to a penalts of five dollars for each and evers day the same shall be continued which shall be recovered with costs and enforced as provided for in the Islamotton Charter.

10. In the event of any installation of the kinds herein mentioned either by reason of its beginn construction, use or in any other was becoming . Busines or in the opinion of the Commissioners unreasonably obstructing or interfering with the use of any highway or part thereof the Commissioners shall a ve notice in writing to the person maintaining or operating such installation to remove the same from the highway or to divcontinue the use of the highway in connection therewith Every person months now any such installation with a over or opon any highway after the experation of said period of fifteen days or making use of any highway or part thereof in connect on therewith after the expect on of each period shall be hubble to a penalty of five dollars for each and every day such mylatation a contimed within over or mon any highway or any highway is used in connection with one such installation which penalty shall be recovered and enforced as provided for in the Edmonton Char-

11 By-laws Nos 4 37 and 41, 1919, are hereby repealed.

repealed.

Dove and Panezo in Council this twenty-fifth day of July, 1921.

(Signed)
D. M. Dungan.

CHAS. Eb. K Cox, City Clerk CITY OF EDMONTON TELEPHONE DEPARTMENT

RULES AND REGULATIONS

- 1 Telephone Instruments and Connecting Wires are turnshed to subscribers for use in accordance with rules preserbed by the Department from time to the used only by the subscriber his agent or employees when engaged quops his downers. The equipment must not be used for the property of t
- as permitted by the rabes of the Department 2. Influsional Pstephone Secure will not be furralised a sheer the enugment to secretable to the general public. Where the traffic organized by general public on any friephone exceeds that of the subscriber, the Department shall have the right to change the location of the equipment without online.
- Subscribers are not allowed to transfer the Telephone Number assigned to them, their service, or their contract to any other party units arrangien ents are made in advance with the Department.
 - 4. The Wiree and Instruments over which service is furn shid, loacher with the telephone numbers resent at all times the groups of the Department and subscribers must not allow any mechanical or electrical apparatus in the connect ed with said wires and instruments without the connect of the Department.
 - ed with an d wires and instruments without the consent of the Department.

 S. The Initial Institution period shall be for three months' service unless otherwise specified.

 Payment must be made in advance and no select

or allowance will be made on any unital payment for service.

- To service.

 [4] All Accounts are due and payable when readered, and payment should be under not later than the filtenth (15th) day of the current most. To account revium grupout thirty (30) days after Job rendered, a deferred provoned charge after Job rendered, a deferred provoned charge outsides service results in payable to the contraction of the payable of the payable of the first most to favy quarter, verse; may be discontinued. In case service is discontinued for mongan rend of retail, 3100 shall be energed for
- 7 Breaknyrs and Dannager. The subscriber shall be hable for all breaknges or damage to the Telephone Equipment, except from unavoidable neithers.
- 8. The Department shall endeavor to render continuous service but shall not be liable for interriptions due to causes beyond the Depart ment's control.
- 2. Rebate for Loss of Service.—No rebate for interroption to service can be under unless written notice is given to the Department in metabelly after such interruption has been repaired, and no refast for interruption will be allowed unless both "ir" ard "out" has been unavailable for a nection of 36 hours.
- 10. The Use of Profune or Abusive language over the Department's telephone equipment is prohibited. Persons using the equipment to the aurosonce of other subscribers are liable to prosecution.
- 15 The Minimum Charge for Business or Residence Service is \$7.00 and \$5.00 respectively. These charges are made on periods of one day to one resonth. Extension of the Minimum Charge.

over one month will be allowed at monthly proportionate rates.

12 The Department will not supply Residence or Damestic Service to any premises where any business for profit is carried on unless Commerrial Service has already been contracted for Premises is hereby defined as any building or

portion thereof

13 Temporary Disconnection - After one year's continuous service a subsectiver, owing to the temporary closing of his resistance, may, have his service discontinuous far a period not exceeding three months without cancelling routerer or his ting telephone ren over if a reasing deep point for in advance. This arrangement carries with it traffic and information services.

13. If a Tetephore installed for service at the Revedence Bate to used for the purpose of a business or profession, the Bepartired mas charged the business rate for such service without read to the date to which like subscriber has paid for arrived at the Brustiner with This also applies to subscribers, for Beunfeine service only who adverture there hephone number in connection adverture there hephone number in connection

13. More, and Changes. The felephone is free increded where substriber derects and must not be moved or interfered with. When the substriber describes describe the service of service in the service of service in which is another location, notice must be given in writing at least two days before the move is required. All moves such changes shall be charged at standard takes, May from I me to time.

16. Natice of Discontinuance of Service on the part of the subscriber is only valid when made in writing and such should be received by the Department at least us days before the end of

any subsequent rental period 17 Telephone Numbers A subscriber's telephone number a not a part of the application or

contract for service and it may be changed by the Department at any time where the requirements of the service an demand.

18. Directories. The new source assure of subscriber's telephone directuries shall be published from time I time. These directories are at all times the property of the Department and are loaned to subscribers for their convenience and not as a part of any contract. The Department or arrestions to any capy of the book. Subscribers shall be supplied with one copy of each issue for cach automate telephone in service additional cones shall be used for by the subscriber. Each pulse riber is allowed one line in the directory under the alphabetical list. Each Business triegibone a allowed one line in the classified listings. All other listings shall be charged for at the Departs ont a standard rates 18. Joint Lyers. A soint user to define Lay one

who has obtained permission from a subscriber for the use of his service. For such Business service the Department shall charge an annual rental of \$20.00 passible querierly in advance. charge an annual rental of \$5.00 payable in advance. Jo of pages of telephone setyles will have similar privileges in the telephone directory as subscribers for direct line service

20 Fatra Listings are inserted in the directory under the telephone number of the direct line

subscriber such extra listence are allowed only where one interest is remonsible and are not allowed for separate companies or business. The charge for one extra listing in the sliphabetical co-umns of the directory is \$2.00 per listee. The charge for one extra bring in the classified columns of the directory is 50 cents per assur-

- 21. Salvaribers are supplied with all itelephone apparatus necessary for good service, therefore the attributest of the various unsulherated deserves offered the auto-mark, which are supposed to plant iriephone directors, etc., rannol be permitted. All such devires are unnecessary and mans are defenential to the service. There are the service of the
- 22. Discounts: 5 per cent discount will be allowed on all bills for actual telephone rentals if paid on or before the 10th of current quarter. No discount will be allowed on the initial payment for telephone service.
- 23 Temporary Construction Any applicant for service whose previews are more than S00 feet ditiant from that p ioni where the Department's standard construction exists will be required to pas the additional labor and construction roots involved in the installation of the service.
- 24. Wiring in New Buildings. Where telephone service may be required in Blocks, Warehouses, and large residences, the owner must have installed during the course of construction, special telephone conduits, and the necessary Billians autifactory to the Department, at his sepanse.

All other wiring charges will be borne by the

156

Department

25. Labor Charges on Extensions. Where the cost of any extension to existing equipment is considered by the Superintendent of the Department to be excessive in comparison with rental returns, the installation cost will be charged to the Sabscriber

26. Any Violation of any of the rules and regulations herein contained shall automatically cancel the Department's contract with Subscriber.

APPROVED BY CITY COUNCIL.





